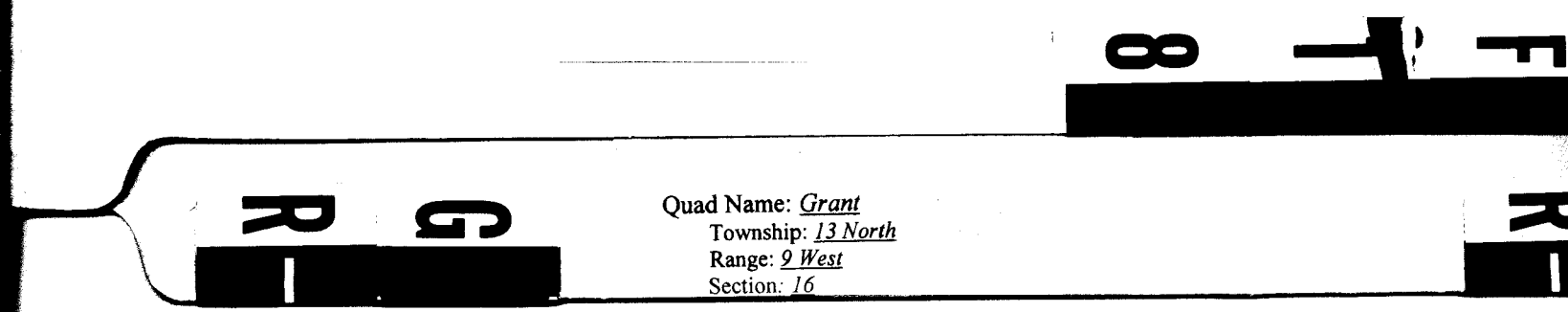
New Mexico Mining Minerals Division
Abandoned Mine Land Program
Uranium Mine Reconnaissance Files

MMD AUM No	AML Recon No	Mine Name	AML Project
NM0070	2007.08	Section 25 Open Pits	NA
NM0070	2007.03	Section 25 Open Pits	NA
NM0079	1992.38	Section 9	Grants Uranium Phase III
NM0122	1992.38	Last Chance	NA
NM0074	1992.38	Black Hawk; Bunney; Red Bluff Nos. 7, 8 & 10; UDC; Gay Eagle	NA
NM0077	1992.38	Red Bluff No. 1, 2, 3, 4, 5, 9	NA
NM0121	1992.38	Gay Eagle	NA
NM0119	1992.38	Christmas Day	NA
NM0079	1992.28	Section 9	Grants Uranium Phase III
NM0076	1992.28	Zia	Grants Uranium Phase III
NM0075	1992.28	La Jara	NA
NM0090	1989.02	Flat Top	EMNRD-MMD-1990-04 Grants Uranium Phase II
NM0072	1989.02	T-20	EMNRD-MMD-1990-04 Grants Uranium Phase II
NM0085	1989.02	Blue Peak	EMNRD-MMD-1990-04 Grants Uranium Phase II
NM0030	1989.02	San Mateo	San Mateo
NM0098	1993.06	Spencer	Grants Uranium Phase III
NM0039	1993.06	Marquez	Grants Uranium Phase III
NM0098	1994.24	Spencer	Grants Uranium Phase III
NM0039	1996.15	Marquez	Grants Uranium Phase III
NM0098	1997.06	Spencer	Grants Uranium Phase III
NM0030	1992.07	San Mateo	San Mateo
NM0043	1998.05	Dog (Schmidtt Ranch)	NA
NM0043	1998.06	Dog (Schmidtt Ranch)	NA
NM0083	1992.18	Beacon Hill - Gossett	EMNRD-MMD-1992-05 Grants Uranium Phase I
NM0084	1992.18	Beacon Hill	EMNRD-MMD-1992-05 Grants Uranium Phase I
NM0096	1992.18	Mesa Top	dropped from Grants Uranium Phase II
NM0068	1992.18	Flea	EMNRD-MMD-1990-04 Grants Uranium Phase II
NM0082	1992.18	Barbara J No. 1	EMNRD-MMD-1992-05 Grants Uranium Phase I
NM0055	1992.18	Barbara J No. 2	EMNRD-MMD-1992-05 Grants Uranium Phase I
NM0049	1992.18	Barbara J No. 3	EMNRD-MMD-1992-05 Grants Uranium Phase I
NM0082	1992.18	Barbara J No. 3a	EMNRD-MMD-1992-05 Grants Uranium Phase I
NM0054	1992.18	Malpais	EMNRD-MMD-1992-05 Grants Uranium Phase I
NM0083	1992.25	Beacon Hill - Gossett	EMNRD-MMD-1992-05 Grants Uranium Phase I
NM0084	1992.25	Beacon Hill	EMNRD-MMD-1992-05 Grants Uranium Phase I
NM0096	1992.25	Mesa Top	dropped from Grants Uranium Phase II
NM0068	1992.25	Flea	EMNRD-MMD-1990-04 Grants Uranium Phase II
NM0082	1992.25	Barbara J No. 1	EMNRD-MMD-1992-05 Grants Uranium Phase I
NM0055	1992.25	Barbara J No. 2	EMNRD-MMD-1992-05 Grants Uranium Phase I
NM0049	1992.25	Barbara J No. 3	EMNRD-MMD-1992-05 Grants Uranium Phase I
NM0082	1992.18	Barbara J No. 3a	EMNRD-MMD-1992-05 Grants Uranium Phase I
NM0083	1992.37	Beacon Hill - Gossett	EMNRD-MMD-1992-05 Grants Uranium Phase I
NM0084	1992.37	Beacon Hill	EMNRD-MMD-1992-05 Grants Uranium Phase I
NM0096	1992.37	Mesa Top	dropped from Grants Uranium Phase II
NM0068	1992.37	Flea	EMNRD-MMD-1990-04 Grants Uranium Phase II
NM0082	1992.37	Barbara J No. 1	EMNRD-MMD-1992-05 Grants Uranium Phase I
NM0055	1992.37	Barbara J No. 2	EMNRD-MMD-1992-05 Grants Uranium Phase I
NM0049	1992.37	Barbara J No. 3	EMNRD-MMD-1992-05 Grants Uranium Phase I
NM0082	1992.37	Barbara J No. 3a	EMNRD-MMD-1992-05 Grants Uranium Phase I
NM0082	2002.03	Barbara J No. 1	EMNRD-MMD-1992-05 Grants Uranium Phase I
NM0070	1998.01	Section 25 Open Pits	NA
NM0040	2001.02	Divide	NA

Grant Quad
is Dos Lomas
Quad



Quad Name: *Grant*
Township: *13 North*
Range: *9 West*
Section: *16*

Recon ID #: 311
AML File Code #: 1998.05

RECONNAISSANCE REPORT XEROX COPY FORM

ABANDONED MINE LAND PROGRAM
New Mexico Mining And Minerals Division

Please Note:

Original Reconnaissance Report must remain in the Reconnaissance original file, copies may be made to file in the Project file "**a**" Background Information – includes inventory sheets, (PADS), preliminary site inspection reports, and, in general, all correspondence up to the time that IFB is mailed (except what should be placed in the EA, IFB, Pre-Construction Contracts, Public Meetings and Information, and Realty files)

Please write in name of Project in which copies are filed at:

Project Name	**Project ID #**
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____

P = Pending

DO NOT REMOVE *THIS FORM FROM REC ONNAISSANCE FILE, THANK YOU.*

1/15/92

1998.05 Recon ID#311

AML FILE CODE: ~~AML 2.39~~
7.5 QUAD NAME:
PROJECT NAME:

RECONNAISSANCE REPORT
SUMMARY PAGE

ABANDONED MINE LAND BUREAU
NEW MEXICO MINING AND MINERALS DIVISION

QUADRANGLE NAME: Grants

Township 13 N , Range 9W , Section(s) 16

COUNTY: Mc Kinley

OWNERSHIP: New Mexico State Trust Land (Surface & Mineral

COAL OR NONCOAL?: Noncoal (Uranium)

TOTAL NUMBER OF FEATURES OF EACH TYPE:

ADITS: None SHAFTS: One Inclined Shaft 8'X8' (See Photo) SUBSIDENCES: None

OTHER (gob, etc.): Waste Piles (1/4 acre)

PERSON WHO WROTE RECONNAISSANCE: Robert S. Young

Person(s) doing recon: Robert S. Young & Mike Landon

Date(s) of recon: April 30, 1998

OTHER GENERAL COMMENTS OR RECOMMENDATIONS: Inclined Shaft (Competent), Waste Dump, Ore Truck with Deusch Engine, Winze, PVC pipe stuffed with newspapers dated May 21, 1980

UTM 13273034 E 3955140 N

(Note: This page must be filled out for every recon report and should be the first page (cover page) of the report. A recon checklist follows this cover page, all information of the checklist should be reported for each feature located and be in the same sequence as the checklist. See Randall or Homer if you have any questions.)

35° 20' 59" N 107° 48' 22" W

15/92

AML FILE CODE:_____
7.5 QUAD NAME:_____
PROJECT NAME:_____

Reconnaissance checklists - reconnaissance reports should contain as much of the information below as possible AND SHOULD BE IN THE SAME SEQUENCE AS BELOW. All the information should be filled out for each feature. If it is repetitive (SAME AS PAGE 1 OF YOUR REPORT) put SAME. It is also important that the **QUAD NAME AND PROJECT NAME** be at the top as Geraldine will need to find these items quickly for filing purposes.

1. Legal description including T., R., SECTION AND 7.5' QUADRANGLE.
2. Feature type, AML number, and name of mine if known.
3. Dimensions, if collapsed put collapsed
4. Surface and/or mineral status and ownership. Private, public? If public which agency manages it? Include addresses, phone numbers, and any other information which may be helpful. **If unknown put unknown.**
5. Commodity mined if known.
6. Location, a description of how to get to the site, distance from any town, highway, or landmark.
7. Topographic (8.5"x11") map with site marked.
8. Drawing showing features, gob, waste, archaeological stuff etc.
9. Recommended closure technique and two alternatives, include availability and source of backfill material.
10. Wildlife or evidence of observed.
11. Proximity of suitable raptor nesting sites - ie.: high cliffs, whitewash.
12. Vegetation types present. Pinon-Juniper etc.
13. Archaeological/Cultural resources observed.
14. Photographs labeled with soon to be developed AML ID numbers.
15. Status of Right of Entry.
16. Status of PADS. If it is a coal area with PADS available include the PU and PA numbers. See Randall.
17. Other. Anything you want or feel is important and was not covered above. Publications or reports related to this minesite.

New Mexico State Land Office
Field Operations

MEMORANDUM

DATE: Monday, June 8, 1998

TO: File

FROM: Robert Young, Environmental Engineering Specialist

RE: Report on Abandoned Mine on State Trust Land

Legal Description: Section 16, T13N, R9W
UTM 13273034 E, 3955140 N
35° 20' 59", 107° 48' 22"

Features: One Inclined Shaft in competent Rock approximately 8' X 8'
Waste Piles covering approximately ¼ acre (See Photos)

Land Status: New Mexico State Trust Land (Surface and Mineral)

Commodity Mined: (Uranium)

Location: Access through Marquez Ranch

Wildlife: Whitewashed Rocks at Entrance

Vegetation Present: Pinion, Juniper, and Sage

Archaeological/ Cultural Resources: None Observed

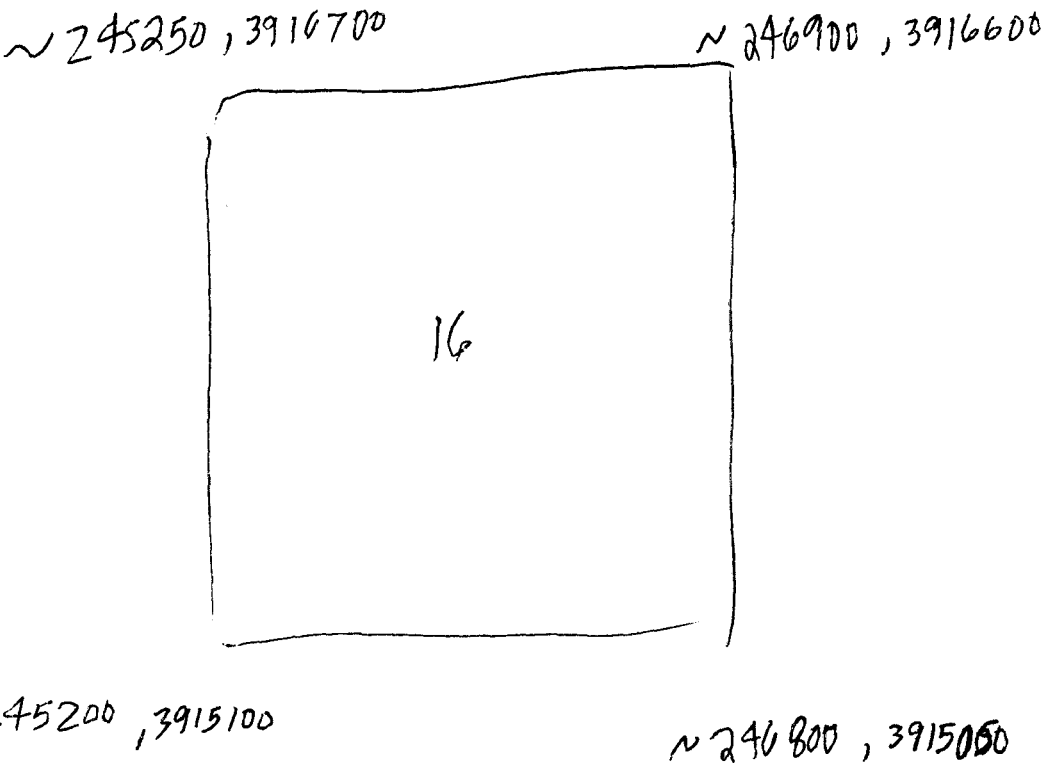
Photos: Attached

Right of Entry: New Mexico State Land Office

Given: 35° 20' 59" N, 107° 48' 22" W ~ T13N R09W S16

(in decimal degrees = 35.349722 −107.806111)

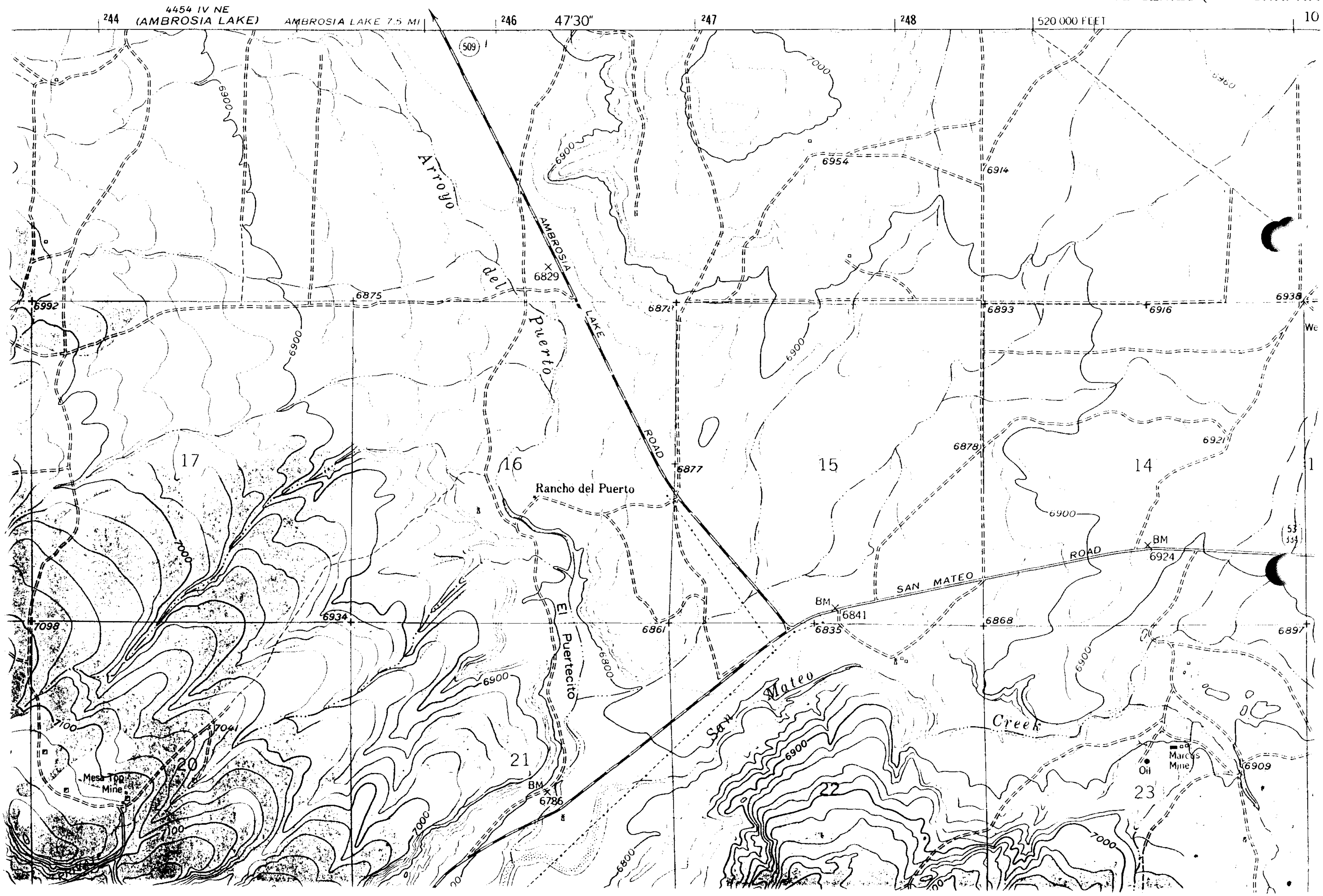
if true, UTM is 244992E, 3915243N

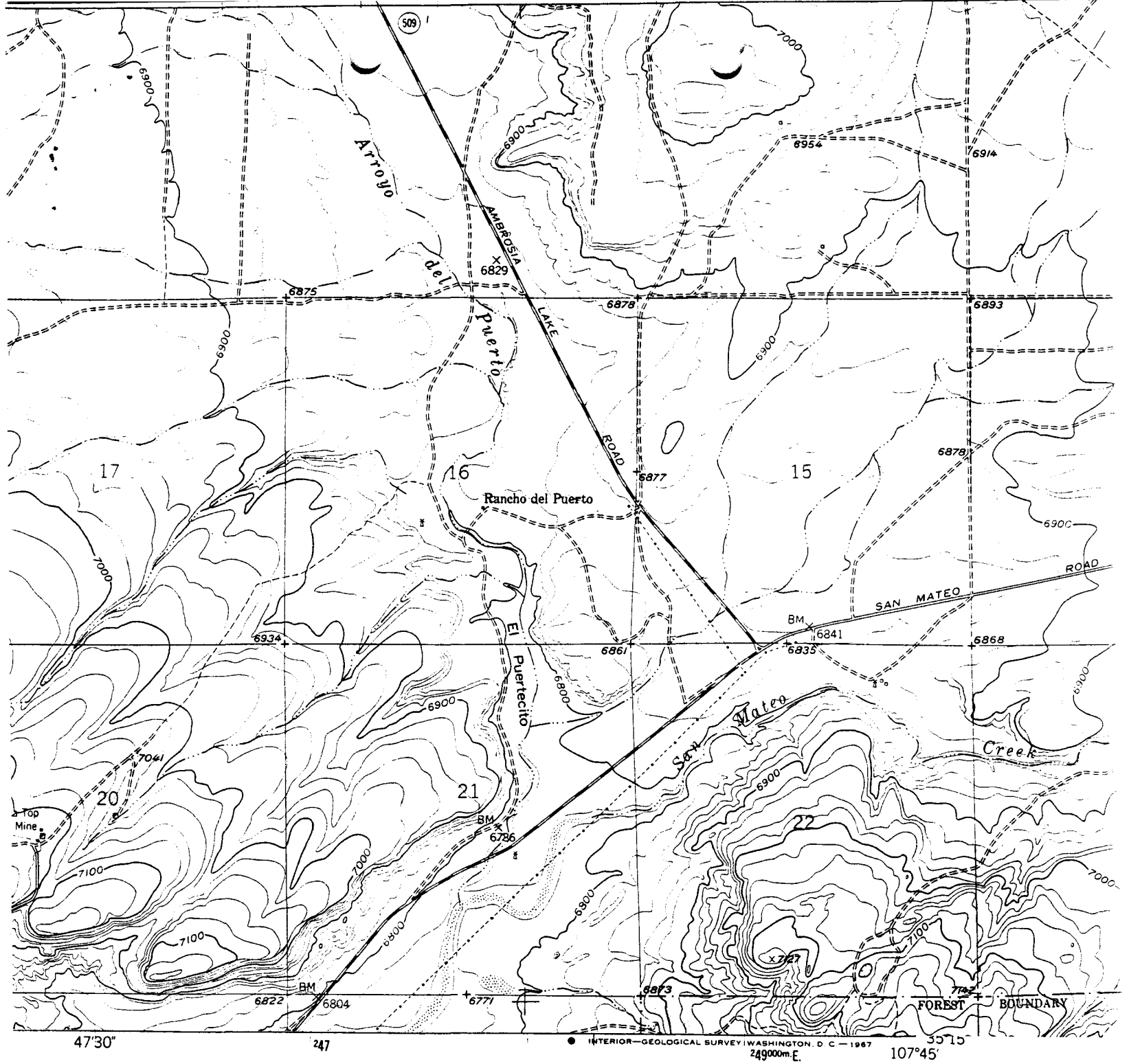


MILS ARC shows unknown at ~ SW4 NE4 SW4 S16

MILS Excel: UTM 245706E 3915500N
Section 16 Uranium deposit

DOS LOMAS QUADRANGLE
NEW MEXICO
7.5 MINUTE SERIES (TOPOGRAPHIC





INTERIOR—GEOLOGICAL SURVEY | WASHINGTON, D. C.—1967

1 MILE

ROAD CLASSIFICATION

Medium-duty ——— Light-duty ———

Unimproved dirt =======

State Route

(LOBO SPRINGS) 4454 II NW

NEW MEXICO

QUADRANGLE LOCATION

DOS LOMAS, N. MEX.

N3515—W10745/7.5

1957

AMS 4454 IV SE—SERIES V881

20242

SW¼, NE¼, SW¼ of Sec 16

N-11

Quad Name: *Dos Lomas*
Township: *13 North*
Range: *10 West*
Section: *25*

#19

Recon ID #350
AML Code # 2007.08

Dos Lomas Quad
URANium mine
Sec. 25
Adit

August 16, 2007

MEMORANDUM:

To: Farris Uranium U/G Mine file.

From: Raymond Rodarte, Project Manager RRR

Subject: Abandoned Uranium Mine Adit located on T13N. R10W, Sec. 25
Dos Lomas, N.Mex. Quad.

On August 15, 2007, I met (b) (6) owner of the surface property on the corner of Section 25 T.13N., R.10W, where a horizontal mine adit has recently opened up. The large horizontal opening goes into a decline and is towards the Haystack dirt road.
(b) (6) the owner just noticed the opening several days ago. Before this, he had been riding his horse in the same area and had not noticed the adit being open. The opening measures approximately 10'h x 10'w depth ? The adit is in a drainage and might have been backfilled before, and has opened recently because of heavy rains, the back of the adit entrance has wire mesh installed.
(b) (6) mentioned that if he was responsible, that he would drill the area and blast it shut. He suggested that I look into us closing off the adit opening and to call him as soon as possible. The number in which he can be reached is (b) (6) cell.
A couple of Residence mention that the mine was called the Farris Uranium mine and think that the underground mine drift went across the nearby dirt road where a air shaft was backfilled in recent years. One resident mentioned that he remembers the mine adit going across the road toward the mesa top.
I have mentioned this mine opening to John Kretzmann and he has suggested that if the surface owner wants to close it off on his own, that it would be much faster and we could look at it in 1 year from now when we would be doing work in the same area.

Recon ID #: 335
AML File Code #: 2007.03

RECONNAISSANCE REPORT XEROX COPY FORM

ABANDONED MINE LAND PROGRAM
New Mexico Mining And Minerals Division

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_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____

P = Pending

DO NOT REMOVE *THIS FORM FROM REC ONNAISSANCE FILE, THANK YOU.*

Recon ID #: 335

AML File Code #: 2007.03

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ABANDONED MINE LAND PROGRAM

New Mexico Mining And Minerals Division

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_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____

P = Pending

DO NOT REMOVE *THIS FORM FROM REC ONNAISSANCE FILE, THANK YOU.*

Rev.: 11/13/02

Recon ID # 335

New Recon

RECON ID #: 2007.03

AML FILE CODE: _____

7.5 QUAD NAME: *Dos Lomas, N. Mex*

PROJECT NAME: _____

3/28/2007
1st Recon Date

ORIGINAL

RECONNAISSANCE REPORT
SUMMARY PAGE

ABANDONED MINE LAND PROGRAM
New Mexico Mining and Minerals Division

QUADRANGLE NAME: *Dos Lomas, N. Mex.*

TOWNSHIP: 13 North **RANGE:** *10 West*

SECTION(s) *25* **COUNTY:** *McKinley*

OWNERSHIP: *Private* (b) (6)

(b) (6) *Ph.*

COAL or NONCOAL: *Non-coal (Uranium)*

TOTAL NUMBER OF FEATURES OF EACH TYPE:

ADITS: _____ SHAFTS: 1 SUBSIDENCES: _____

OTHER (gob, etc.): *approx 150 drill holes*

PERSON WHO WROTE RECONNAISSANCE: *Raymond Rodarte*

PERSON(S) DOING RECON: *Raymond Rodarte*

DATE(S) OF RECON: *3/28/07*

OTHER GENERAL COMMENTS OR RECOMMENDATIONS: *Farris Mine, Barry Mine, Plug Drill holes and backfill and plug vent hole near Mobile Home.*

(Note: This page must be filled out for every recon report and should be the first page (cover page) of the report. A recon checklist follows this cover page, all information of the checklist should be reported for each feature located and be in the same sequence as the checklist. Contact Robert Evetts at (505) 476-3422 if you have any questions)

Rev.: 11/13/02

AML FILE CODE: _____

7.5 QUAD NAME: _____

PROJECT NAME: _____

RECONNAISSANCE CHECKLISTS – reconnaissance reports should contain as much of the information below as possible **AND SHOULD BE IN THE SAME SEQUENCE AS BELOW**. All the information should be filled out for each feature. If it is repetitive (SAME AS PAGE 1 OF YOUR REPORT) write SAME. It is also important that the **QUAD NAME AND PROJECT NAME** be filled out for filing purposes.

1. Legal description including T., R., SECTION and 7.5' QUADRANGLE.
   Same
2. Feature type, AML number, and name of mine if known.
   Furris Mine-
3. Dimensions, if collapsed put collapsed:
   Exploration drill holes thruought the immediate area.
4. Surface and/or mineral status and ownership. Private, public? If public which agency managed it? Include address, phone numbers, and any other information which may be helpful. **If unknown, put unknown**.

5. Commodity mined if known.
   Uranium
6. Location, a description of how to get to the site, distance from any town, highway, or landmark.
   Take the road from Grants to Milan, drive towards Ambrosia Lake, take the Poison Canyon road, drive approx, 1 1/2 mile and turn right at the white gate to the right.
7. Topographic (8.5"x11") map with site marked.
   Map on file.
8. Drawing showing features, gob, waste, archaeological stuff etc.
   Refer to L: drive
9. Recommended closure technique and two alternatives, include availability and source of backfill material:
   Plugs, backfill
10. Wildlife or evidence of observed.
    El (Cervus elaphus), Mule Deer (Odocoileus hemionus), Mountain Lion (Felis concolor), Coyote (Canis latrans), Jackrabbit (Lepus Californicus), Cottontail rabbit (Sylfilagus auduboni), Skunk (Mephitis), Raccoon (Procyon lotor), Turkey (Meleagris gallopavo).
11. Proximity of suitable raptor nesting sites – ie.:
    None
12. Vegetation types present, Pinon-Juniper etc.:
    Galleta (Hiiaria jamesii), Alkali sacaton (Sporobolus airoides), Blue grama (Bouteioua gracilis), Utah Juniper (Juniperus osteosperma), Rubber rabbit brush (Chrysothamnus nauseosus),
13. Archaeological/Cultural resources observed.
    None
14. Photographs labeled with soon to be developed AML ID numbers.

Refer to L:drive

15. Status of Right of Entry.
    Private- (b) (6) [redacted]
16. Status of PADS. If it is a coal area with PADS available include the PU and PA numbers. See Randall.
17. Other. Anything you want or feel is important and was not covered above. Publications or reports related to this mine site:
    140 acres more or less.

Rev.: 11/13/02

New Reason FILE COPY

RECON ID #: 335

AML FILE CODE: 2007.03

7.5 QUAD NAME: *Dos Lomas, N. Mex*

PROJECT NAME: _____

3/28/2007
1st Recon Date

RECONNAISSANCE REPORT
SUMMARY PAGE

ABANDONED MINE LAND PROGRAM
New Mexico Mining and Minerals Division

QUADRANGLE NAME: *Dos Lomas, N. Mex.*

TOWNSHIP: 13 North **RANGE:** *10 West*

SECTION(s) *25* **COUNTY:** *McKinley*

OWNERSHIP: *Private* (b) (6)

(b) (6) *Ph.*

COAL or NONCOAL: *Non-coal (Uranium)*

TOTAL NUMBER OF FEATURES OF EACH TYPE:

ADITS: _____ SHAFTS: 1 SUBSIDENCES: _____

OTHER (gob, etc.): *approx 150 drill holes*

PERSON WHO WROTE RECONNAISSANCE: *Raymond Rodarte*

PERSON(S) DOING RECON: *Raymond Rodarte*

DATE(S) OF RECON: *3/28/07*

OTHER GENERAL COMMENTS OR RECOMMENDATIONS: *Farris Mine, Barry Mine, Plug Drill holes and backfill and plug vent hole near Mobile Home.*

(Note: This page must be filled out for every recon report and should be the first page (cover page) of the report. A recon checklist follows this cover page, all information of the checklist should be reported for each feature located and be in the same sequence as the checklist. Contact Robert Evetts at (505) 476-3422 if you have any questions)

Rev.: 11/13/02

AML FILE CODE: _____

7.5 QUAD NAME: _____

PROJECT NAME: _____

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1. Legal description including T., R., SECTION and 7.5' QUADRANGLE.
   Same
2. Feature type, AML number, and name of mine if known.
   Furris Mine-
3. Dimensions, if collapsed put collapsed:
   Exploration drill holes thruought the immediate area.
4. Surface and/or mineral status and ownership. Private, public? If public which agency managed it? Include address, phone numbers, and any other information which may be helpful. **If unknown, put unknown.**

5. Commodity mined if known.
   Uranium
6. Location, a description of how to get to the site, distance from any town, highway, or landmark.
   Take the road from Grants to Milan, drive towards Ambrosia Lake, take the Poison Canyon road, drive approx, 1 1/2 mile and turn right at the white gate to the right.
7. Topographic (8.5"x11") map with site marked.
   Map on file.
8. Drawing showing features, gob, waste, archaeological stuff etc.
   Refer to L: drive
9. Recommended closure technique and two alternatives, include availability and source of backfill material:
   Plugs, backfill
10. Wildlife or evidence of observed.
    El (Cervus elaphus), Mule Deer (Odocoileus hemionus), Mountain Lion (Felis concolor), Coyote (Canis latrans), Jackrabbit (Lepus Californicus), Cottontail rabbit (Sylfilagus auduboni), Skunk (Mephitis), Raccoon (Procyon lotor), Turkey (Meleagris gallopavo).
11. Proximity of suitable raptor nesting sites – ie.:
    None
12. Vegetation types present, Pinon-Juniper etc.:
    Galleta (Hiiaria jamesii), Alkali sacaton (Sporobolus airoides), Blue grama (Bouteioua gracilis), Utah Juniper (Juniperus osteosperma), Rubber rabbit brush (Chrysothamnus nauseosus),
13. Archaeological/Cultural resources observed.
    None
14. Photographs labeled with soon to be developed AML ID numbers.

Refer to L:drive

15. Status of Right of Entry.
    Private- (b) (6) [redacted]
16. Status of PADS. If it is a coal area with PADS available include the PU and PA numbers. See Randall.
17. Other. Anything you want or feel is important and was not covered above. Publications or reports related to this mine site:
    140 acres more or less.

Quad Name: *Dos Lomas*

Township: *12 North*
Range: *9 West*
Section: *4, 9, 15*

Recon #65
AML File Code #: 1992.28

RECONNAISSANCE REPORT XEROX COPY FORM

ABANDONED MINE LAND PROGRAM

New Mexico Mining And Minerals Division

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Please write in name of Project in which copies are filed at:

Project Name	**Project ID #**

DO NOT REMOVE THIS FORM FROM REC ONNAISSANCE FILE, THANK YOU.

Rec'd 65

11/24/92

AML FILE CODE: 92028
7.5 QUAD NAME: Dos Lomas, NM
PROJECT NAME:

RECONNAISSANCE REPORT
SUMMARY PAGE

ABANDONED MINE LAND BUREAU
NEW MEXICO MINING AND MINERALS DIVISION

QUADRANGLE NAME: Dos Lomas, N.Mex.

Township 12 North, Range 9 West, Section(s) 4,9,15

COUNTY: McKinley

OWNERSHIP: (b) (6), U.S. Forest Service Cibola

COAL OR NONCOAL?: Uranium

TOTAL NUMBER OF FEATURES OF EACH TYPE:

ADITS: _____ SHAFTS: _____ SUBSIDENCES: _____

OTHER (gob, etc.): 2 large open pits, approximately 8 exploration pits, and approximately 30 waste piles.

PERSON WHO WROTE RECONNAISSANCE: Raymond R. Rodarte

Person(s) doing recon: Raymond Rodarte

Date(s) of recon: 11/19/92

OTHER GENERAL COMMENTS OR RECOMMENDATIONS:

Abandoned Mine Land Bureau's abatement would consist of backfilling all open pits with nearby waste piles, covering with a specified topsoil depth and seeding. By backfilling we would eliminate the public hazard of highwalls, therefore eliminating water holding ponds in pits and get rid of surface waste piles that degrade vegetation and water sources.

(Note: This page must be filled out for every recon report and should be the first page (cover page) of the report. A recon checklist follows this cover page, all information of the checklist should be reported for each feature located and be in the same sequence as the checklist. See Randall or Homer if you have any questions.)

11/23/92

AML FILE CODE: 92028
7.5 QUAD NAME: Dos Lomas, NM
PROJECT NAME:

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1. Legal description including T., R., SECTION AND 7.5' QUADRANGLE.

   Same as above.

2. Feature type, AML number, and name of mine if known.

   Anaconda Section Nine Mine, Zia Mine

3. Dimensions, if collapsed put collapsed

   Dimensions will be taken by aerial photography or surveying.

4. Surface and/or mineral status and ownership. Private, public? If public which agency manages it? Include addresses, phone numbers, and any other information which may be helpful. **If unknown put unknown.** Cibola Forest Service, (b) (6) [redacted]

5. Commodity mined if known. Uranium

6. Location, a description of how to get to the site, distance from any town, highway, or landmark. Drive north on state highway 53 until you reach Homestake Mill, approximately 1/2 mile from the mill take a northeast dirt road towards La Jara Mesa.

7. Topographic (8.5"x11") map with site marked.

   Attached map marked.

8. Drawing showing features, gob, waste, archaeological stuff etc.

   Archaeological survey pending.

9. Recommended closure technique and two alternatives, include availability and source of backfill material.

   Backfill material will consist of the surrounding waste

10. Wildlife or evidence of observed. Elk (Cervus elaphus), Barbary Sheep (Ammotragus lervia), Mule deer (Odocoileus hemionus), Black Bear (Ursus americanus), Red Fox (Vulpes fulva), Bob Cat (Lynx rufus), Coyote (Canis latrans), Snowshoe Hare (Lepus americanus), Jackrabbit (Lepus Californicus), Skunk (Mephitis), Raccoon (Procyon lotor),Badger (Taxidea taxus), Black Tailed Prairie Dog (Cynomys ludovicianus).

11. Proximity of suitable raptor nesting sites - ie.: high cliffs, whitewash. No raptor nesting sited.

12. Vegetation types present. Pinon-Juniper etc. Vegetation consist of juniper (Juniperus monosperma), pinon (Pinus edulis), loco weed (Astragulus spp.), snakeweed (Gutierrezia sarcobatus), sage (Artemisaia spp.), mountain mahogany (Cercocarpus spp.), Indian rice grass (Oryzopsis hymenoides), saltbush (Atriplex canescens), and wolfberry (Lycium pallidum).

13. Archaeological/Cultural resources observed. An archaeological survey is proposed to be completed in later months.

14. Photographs labeled with soon to be developed AML ID numbers. Attached photo's or on file in project binder.

15. Status of Right of Entry. Private property, BLM and Cibola Forest Service.

16. Status of PADS. If it is a coal area with PADS available include the PU and PA numbers. See Randall.

17. Other. Anything you want or feel is important and was not covered above. Publications or reports related to this minesite.
Mr. Kial Roundy called Abandoned Mine Land Bureau for assistance of Abandoned Uranium Mines left in his property from past mining practices and concerned of adjacent mines on November 19, 1992.

Recon #: 242

AML File Code: 1992.38

RECONNAISSANCE REPORT XEROX COPY FORM

ABANDONED MINE LAND PROGRAM

New Mexico Mining And Minerals Division

Please Note:

Original Report must remain in the Reconnaissance original file, copies may be made to file in the Project file "**a**" Background Information – includes inventory sheets, (PADS), preliminary site inspection reports, and, in general, all correspondence up to the time that IFB is mailed (except what should be placed in the EA, IFB, Pre-Construction Contracts, Public Meetings and Information, and Realty files)

Please write in name of Project in which copies are filed at:

Project Name	**Project ID #**

DO NOT REMOVE THIS FORM FROM REC ONNAISSANCE FILE, THANK YOU.

Los Lomas Room

Recon (Post)
#92038
Recon # 242

November 23, 1992

To: Bob Evetts, Bureau Chief

From: Raymond Rodarte, Reclamation Spec.

Subject: Inspection on the Anaconda Section 9 Uranium Mine, T.12N., R.9W., Sec. 4, 9.

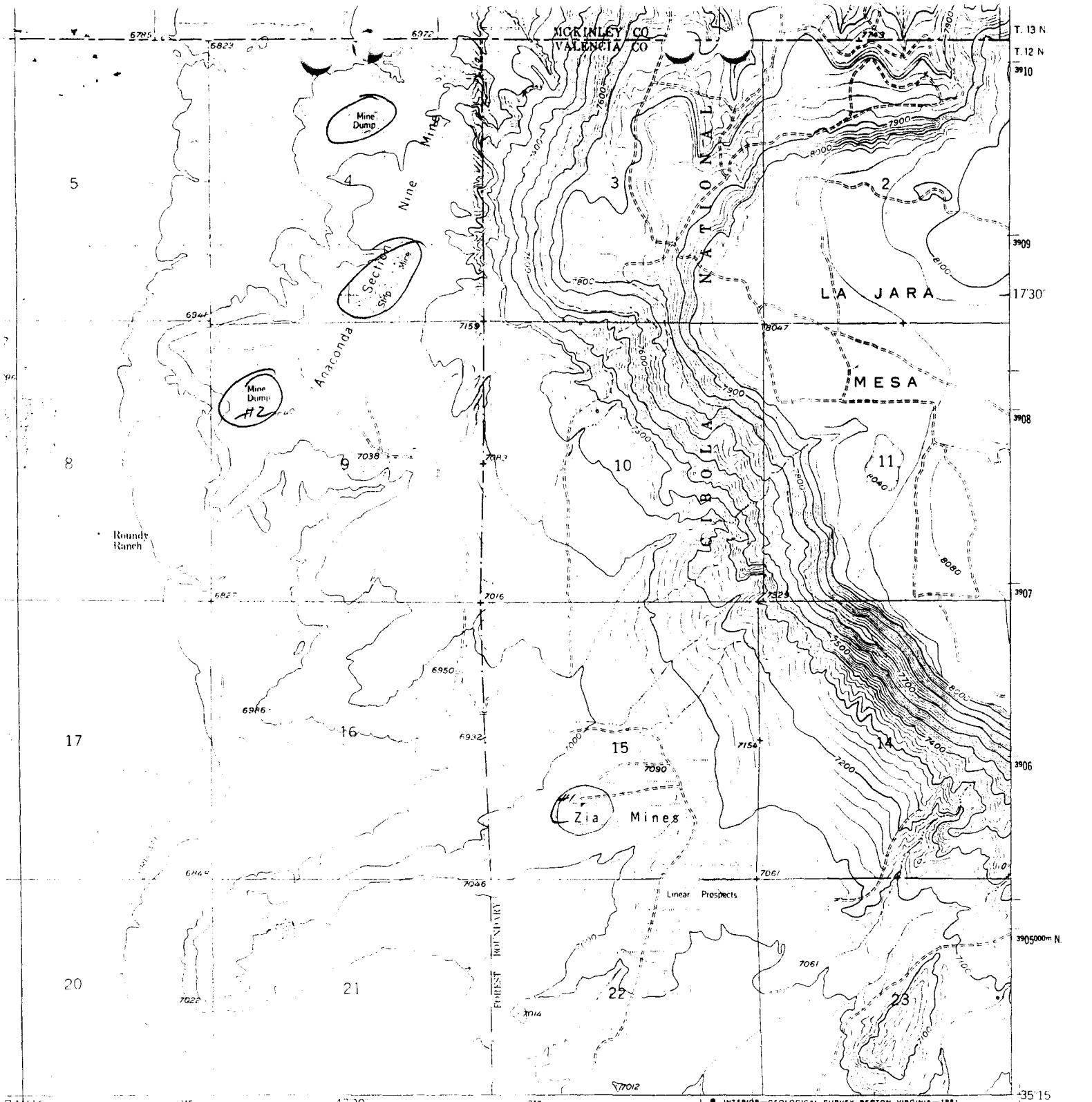
On November 19, 1992 I met with Mr. (b) (6) owner of the (b) (6) Ranch near Grants. The (b) (6) at one time owned more then 4,600 acres in the Ambrosia and Grants area.

While driving to the abandoned uranium mines Mr. (b) (6) explained that he was concerned of some of the mines that have been left abandoned in his property from past uranium mining activities. His main concern was that areas that were open pit mined were left with most waste piles that are degrading downstream.
Other concerns are the large open pit mines that contain 40 to 80 foot high walls and hold large amounts of surface water that may be harmful to his cattle.

During my inspection of this abandoned uranium mines we visited two large open pit mines and approximately 8 small open pits and exploration pits or cuts and plenty of waste piles that cover the area. Most of the abandoned pits have an access road that leads into and outside the pit, there is evidence that cattle enter the pits to water.
One pit contained two cow skulls that were near the water impoundments, the cause of death is unknown. " Mr. (b) (6) mentioned that he has never found two dead cows just a few feet from each other".

My evaluation of the abandoned uranium sites was that the high walls of past mining practices bring a safety hazard to the public and surface water that is contained in this pits most likely contain high concentrations of background levels of radionuclides and heavy metals, therefore effecting cattles health and the health of any one consuming this perticular beef.
Numerous waste piles that are scattered around the open pits are eroding into nearby arroyos and no growth of vegetation is visible.

Abandoned Mine Land Bureau's abatement would consist of backfilling all open pits with nearby waste piles, covering with a specified topsoil depth and seeding. By backfilling we would eliminate the public hazard of highwalls, ~~eliminated~~ reduce water holding ponds in pits and get rid of surface waste piles that degrade vegetation and water sources.



INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1981

E 1:24000

1 MILE
5000 7000 FEET
1 KILOMETER

VERTICAL DATUM OF 1929

ROAD CLASSIFICATION

Medium-duty — Light-duty

Unimproved dirt

State Route

ONAL MAP ACCURACY STANDARDS
R, COLORADO 80225, OR RESTON, VIRGINIA 22092
S AND SYMBOLS IS AVAILABLE ON REQUEST

Revisions shown in purple compiled from aerial photographs taken 1978 and other source data. This information not field checked. Map edited 1980

DOS LOMAS, N. MEX.
N3515—W10745/7.5

1957
PHOTOREVISED 1980
DMA 4454 IV SE—SERIES V881

Township: *Unknown (See Grants Uraniun Phase I)*
Range: *Unknown*
Section: *Unknown*

Recon #12
AML File Code #1989.02

RECONNAISSANCE REPORT XEROX COPY FORM

ABANDONED MINE LAND PROGRAM

New Mexico Mining And Minerals Division

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Please write in name of Project in which copies are filed at:

Project Name	**Project ID #**
Santa Uranium Pk I	EMNRD-AMD-1990-04

DO NOT REMOVE THIS FORM FROM REC ONNAISSANCE FILE, THANK YOU.

State of New Mexico
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT
Santa Fe, New Mexico 87505

Record # 89002 Page 10 #112

GARREY CARRUTHERS
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY
ROBERT M. EVETTS
DEPUTY SECRETARY

April 30, 1990

MEMORANDUM

ORIGINAL

TO: Grants Uranium Phase I

FROM: Raymond R. Rodarte (3R)

SUBJECT: Initial Reconnaissance - Grants Uranium Phase I Project

On April 18, 1990, I drove to Grants New Mexico and met Bob Garcia in Grants on the 19th of April at 7:40 A.M.

Garcia and myself met at Grants Cafe and talked about our project concerning the Phase I Grants Uranium Project. He also mentioned that Jerry White from Office of Surface Mines was to meet us at McDonalds. We left the Cafe at approximately 8:15 A.M., and stopped for Jerry White.

Jerry White stated that he would take his vehicle to the project site and that he had to talk to me about something. When we got to the project site, I asked Mr. White if he had surveyed before, his answer was yes. So I asked him if he wouldn't mind being the Rod Man for Garcia and I would continue in getting measurements on T-20 and Flat Top Mine.

I continued in measuring about 120 exploration drill holes that were from 2 feet to 70 feet in depth, which will be backfilled. At about noon, Mr. Garcia drove to the T-20 Mine where I was just completing measuring of the last few exploration holes. I asked Garcia that if Mr. White was meeting us, and his answer was that Mr. White had no time to meet with me and that he was going home.

After lunch Bob Garcia and I continued to measure Flat Mine subsidences, decline and other exploration holes. We completed field work at about 5:45 P.M.

On the 20 of April I continued to measure the exploration holes that were left on the Flat Top Mine. There was a

total of about 28 exploration holes to complete measurement of exploration holes. I will attempt to complete the initial reconnaissance of Grants Uranium Phase I Project on the 26th of April when I meet with the Archeological Staff at Grants, New Mexico.

A couple of places on the project site area have not been completed, because air shafts on the site area exceed 200 feet in depth and I have not been able to have a measuring tape on site as yet that exceeds 200 feet.

On the 20th I called Denise at the office and stated to her that I had finished as much work as possible and that I lacked a tape measure that exceeded 200 ft. for the remaining ventilation shafts. I stated that I had to meet with Rancher ([redacted]) to pick up a R.O.E. I had sent to him for completion of my Phase I Realty. I was not able to find [redacted] at San Mateo, NM., on Friday nor Saturday. So on Sunday I drove to his house and was able to talk to him. Mr. [redacted] stated that he had not received my certified letter and that he did not know of no such letter. I mentioned that the certified card of receiving the letter had returned to the office, but I didn't remember who signed it. We also talked about getting Right-of-Entry to get to Blue Peak Mine thru Sect. 19 T. 13, N., R9W and about constructing a temporary gate. Mr. [redacted] was against any fence cut and stated that on my next trip to San Mateo that he would show me a gate thru where the Contractor could pass.

Mr. [redacted] also stated that Homestake Mining Company had told U.S.F.S. Representatives that Homestake was taking care of the disturbance at the old San Mateo Mine. I asked Marquez if he had anything in writing and his answer was no.

I mentioned that if U.S.F.S. or Mr. [redacted] did not receive any memo verifying that Homestake Mining was going to do any reclamation work out at the San Mateo Mine that not to build his hope too high. Then I told Mr. [redacted] that on Monday, April 23, I would meet with U.S.F.S. Representatives and find out if anything had changed on the old San Mateo Mines.

So on the 23 of April I stopped at the Cibola Ranger District Officer and met with Caffrey, Altridge and Mark Catron.

The U.S.F.S. Representative told me that Homestake Mining Co., ~~did not~~ mailed over the phone that their abatement work at the old San Mateo Mine would include; capping the two ventilation holes and demolition of two magazine explosive shacks and that was all they mentioned. There was no discussion of Homestake doing any kind of work on reclaiming any surface disturbance. I asked Mr. Caffrey District Ranger, that it

would help me to get anything in writing from Homestake Mining Co. verifying any kind of abatement work done to this, so I wouldn't have to include them in our plans. Also, I asked any other information on archeological work done in the past for the effected disturbance sites. U.S.F. Representatives stated that they would look thru their file and get with me on April 26, 1990.

Quad Name: *Dos Lomas*
Township: *13 North*
Range: *9 West*
Section: *8, SW1/4, SW1/4, NE1/4 of Sec. 23*

Recon ID #: 309
AML File Code #: 1997.06

RECONNAISSANCE REPORT XEROX COPY FORM

ABANDONED MINE LAND PROGRAM
New Mexico Mining And Minerals Division

Please Note:

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Please write in name of Project in which copies are filed at:

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_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
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_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____

P = Pending

DO NOT REMOVE *THIS FORM FROM REC ONNAISSANCE FILE, THANK YOU.*

7/26/94
U/D 11/5/97

ORIGINAL

1997.06 Recon # 309

AML FILE CODE: ~~94024~~
7.5 QUAD NAME: Dos Lomas, N. Mex.
PROJECT NAME: Grants Uranium Pr III

RECONNAISSANCE REPORT

SUMMARY PAGE

ABANDONED MINE LAND BUREAU
NEW MEXICO MINING AND MINERALS DIVISION

QUADRANGLE: Dos Lomas, New Mexico

LEGAL DESCRIPTION: T.13N., R.9 W., Sec. 8

COUNTY: McKinley

OWNERSHIP: Surface Lease until 1990, (b) (6) Mineral: BLM Surface ownership of Sec. 8 State Land Office (As of 1990 Land is owned by State Land Corporation.)

COAL OR NONCOAL: Uranium

TOTAL NUMBER OF FEATURES OF EACH TYPE:

ADIT: _____ SHAFTS: 1 SUBSIDENCE: _____

OTHER (gob, etc.): 4 waste piles (1) steel headframe

PERSON WHO WROTE RECONNAISSANCE: Raymond Rodarte

Person(s) doing recon: Raymond Rodarte, Jerry White (OSM)

Date(s) of recon: 7/25/94

OTHER GENERAL COMMENTS OR RECOMMENDATIONS: Inspected on July 25, 1994. The immediate Public hazard consists of (1) 30' steel head frame and (1) open shaft. The shaft has collapsed around the collar and the steel head frame is bending over the shaft. Sonny Marquez is the Rancher that called the Bureau for assistance in bringing down the steel head frame and backfilling the shaft. The Rancher is concerned about his cattle and horses that graze near the abandoned uranium mine. Subsidence was approximately 65' x 45' x 20' to 15' depth.
11/5/97 Quevera mine Representatives called the office on 10/28/97 and reported a large subsidence that accrued at the number eight mine, they mentioned that the small subsidence at the #8 mine had opened up about 5 times larger then what is was before. The shaft opened up because of addition runnoff that ran it's course into the shaft on section 8 mine. So on 11/4/97, I drove to Ambrosia Lake and installed 350 feet of 5'wire mesh wire at the #8 mine which has opened to a huge subsidence that measures 100'l x 96' w x 30' to 20' depth. I will return to the mine site area to install approximately 70 feet of barbed wire fence on the south side of the subsidence. I will also call Bureau of Land Management for further abatement of the area since the mine is on their property.

7/26/94

AML FILE CODE:_____
7.5 QUAD NAME: Dos Lomas, New Mexico
PROJECT NAME:_____

1. Legal description: Same

2. Feature type, AML number, and name of mine if known.
   Spencer Mine (Section 8 Mine)

3. Dimensions, if collapsed put collapsed
   #Shaft: collapsed shaft: approximately 8'x 8' depth ?

4. Surface and/or mineral status and ownership. Private
   Bureau of Land Management, (b) (6) [redacted], (Lessee on grazing,
   State Lands (access road).
5. Commodity mined if known. Uranium

6. Location: From Grants, N.Mex. travel west past Milan, N.Mex., take state road 605 towards San Mateo, N. Mex., drive

approximately 16 miles west until the intersection, there take State RD. 509 for only approximately .5 miles and drive through the first metal red gate on past the Ranch House, the head frame can be seen northwest from the Ranch House.

7. Topographic (8.5"x11") map with site marked.
   Attached.
8. Drawing showing features, gob, waste, archaeological stuff etc.
   Attached Photo.
9. Recommended closure technique: Backfill with nearby material.
   Technique #1. Backfill shaft with adjacent dirt material.
   Demolition of the steel head frame.
   Technique #2. Demolition of the steel head frame and cap the shaft with a concrete slab.

10. Wildlife or evidence of observed. Elk or Wapiti (Cervus elaphus), Mule Deer (Odocoileus hemionus), Black Bear (Ursus americanus), Mountain lion (Felis concolor), Red Fox (Vulpes vulpes), Gray Fox (Urocyon dinereoargenteus), Bob Cat (Lynx rufus), Coyote (Canis latrans), Turkey (Meleagris gallopavo), Cottontail rabbit (Sylfilagus auduboni), Jackrabbit (Lepus Californicus), Raccoon (Procyon lotor), Badger (Taxidea taxus), Red Fox (Vulpes vulpes), Gray Fox (Urocyon dinereoargenteus), Bob Cat (Lynx rufus), Coyote (Canis latrans), Turkey (Meleagris gallopavo), Skunk (Mephitis), Raccoon (Procyon lotor), Badger (Taxidea taxus),

11. Proximity of suitable raptor nesting sites: None sited!

12. Vegetation types present. Pinon Pine (Pinus edulis), Utah Juniper(Juniperus osteosperma), Blue Grama(Bouteloua gracilis), Western wheat grass (Agropyron smithii).

13. Archaeological/Cultural resources observed. Refer to survey.

14. Photographs labeled with soon to be developed AML ID numbers. Attached or on file.

15. Status of Right of Entry. Private
    Private, Bureau of Land Management, State Land

16. Status of PADS. See Randall.

17. Other. Landowner called Abandoned Mine Land Bureau for

assistance on covering the shaft and demolition of the head frame. (**Federal Representative Jerry White visited the site and thought the area was not an immediate hazard!**) Since the problem area cannot be abated immediately, I will list the area as a priority 1 abatement measure.

As of 11/5/97 I recommend that the #8 mine move up in priority abatement over the previous mine sites that we have on the list. Director Kathleen Garland and Bureau Chief Bob Evetts held a meeting at OSM office in Albuquerque and mentioned the problem area of the shaft getting larger within the last 3 years. Jerry White will visit the area in November and decide what procedure we should take. I also contacted Dave Sitzler BLM Albuquerque Office and he mentioned he will visit the site on November 6, 1997 and call our office for a follow-up in this matter.

October 28, 1997

MEMORANDUM

TO: Recon File 94024

FROM: Robert Evetts, AML Program Manager

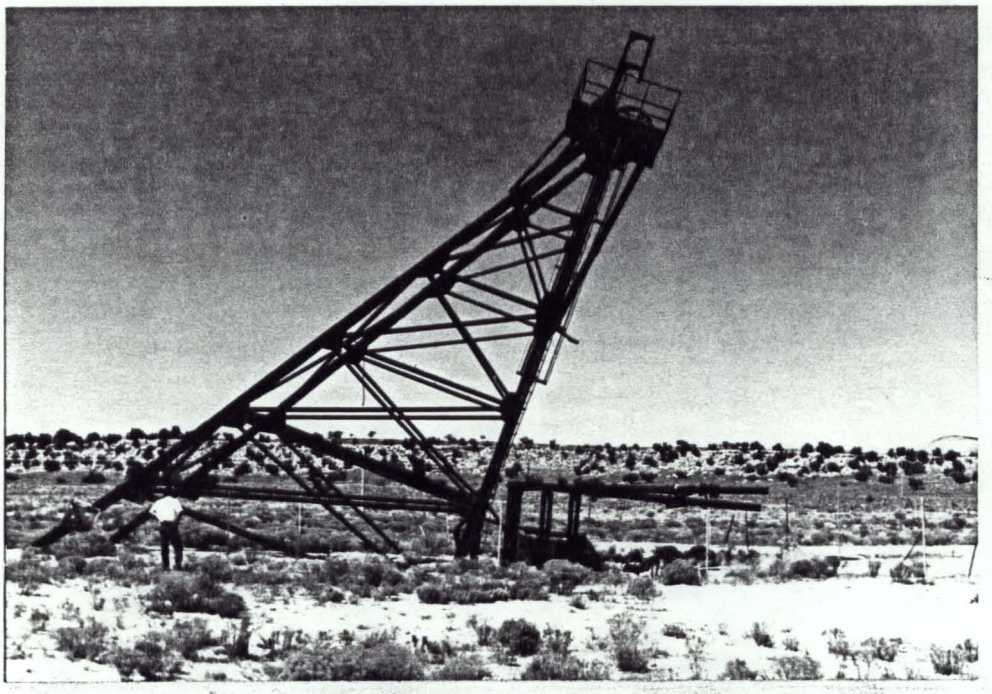
SUBJECT: Abandoned Mine Sec 8, T 13 N, R 9 W

Today I spoke to Mr. Terry Fletcher (by phone) at the Quivera Mill Site near Ambrosia Lake. He wanted to alert us that the headframe located at the referenced mine site had collapsed into the mine workings and is a significant hazard to the public and to livestock. He said about 10-12 feet of the headframe is still above ground but the fence which was previously used to safeguard the project had also fallen into the workings. Apparently, there was a very heavy rain on the 20-21 of September, 1997, which caused significant eroison in the area and accelerated the colapse of the mine shaft and headframe.

I spoke to Mr. Ray Rodarte, AML Reclamation Specialist, who is familiar with the site. We will visit the site in the near future to re-assess the hazards as they currently exist. We will also try to fence the collapsed area as a temporary safeguard measure.

Mr. Fletcher said there was good access to the site through the Quivera Mine property which we could use by contacting him prior to visiting the site. He will unlock the gates for us. He can be reached at (505) 287-8851, Extension 200.

cc: Ray Rodarte



Action 1959 to 1967

NAME OF MINE Spencer Shaft Section 8
MINERAL Uranium COUNTY McKinley
NAME OF COMPANY W. D. Tripp Mining Co.
ADDRESS OF COMPANY Box 412, Cortez, Colorado
NAME AND ADDRESS OF ~~PERSON IN CHARGE~~ W. D. Tripp
807 Cherry, Cortez, Colorado, Phone: 565-7268
NAME AND ADDRESS OF ~~GENERAL MANAGER~~ Melvin Brewer, In Charge
Box 412, Cortez, Colorado
NAME AND ADDRESS OF OTHER OFFICIALS

PRIVATE LAND
STATE LAND X
FEDERAL LAND

NAME AND ADDRESS OF OWNER OF PROPERTY Leroy Cosper, Cortez, Colo.
LOCATION: Sec. 8 T. 13N R. 9W MINING DISTRICT Ambrosia Lake
Turn off main Ambrosia Lake Rd., 2 mi. E. Cafe and go N. to mine.
TYPE OF DEPOSIT: TYPE OF WORKING: Underground
REMARKS: (Previously operated by Hyde & Cosper)
[illegible] 9-7-66
[illegible]
[illegible] RE: 3-14-66
Mr. Goode will take over this mine & will [illegible] 9-1-66
DATE OF REGISTRATION 11-9-64 RE: 3-12-65

NAME OF MINE Spencer Shaft
MINERAL Uranium COUNTY McKinley
NAME OF COMPANY Jordan & Marshall
ADDRESS OF COMPANY Box 2283 Milan Station, Grants, N.M.
NAME AND ADDRESS OF PERSON IN CHARGE Charles H. Marshall
Box 2283, Milan Sta., Grants, New Mexico ph. At7-2050
NAME AND ADDRESS OF GENERAL MANAGER
NAME AND ADDRESS OF OTHER OFFICIALS

no

PRIVATE LAND
X STATE LAND
FEDERAL LAND

NAME AND ADDRESS OF OWNER OF PROPERTY United Western Minerals Co.
Santa Fe, New Mexico
LOCATION: Sec. 8 T. 13N. R. 9 W. MINING DISTRICT Ambrosia
Approximately 3 miles North of Ragland Village, and one mile West.
TYPE OF DEPOSIT: Sandstone TYPE OF WORKING: Underground
REMARKS: operated previously by: Centennial Development Co.
CD Mine shut down at time of inspection 1-20-60 [illegible] 1-28-60 [illegible]
DATE OF REGISTRATION Sept. 15, 1959

NAME OF MINE Section 8
MINERAL Uranium COUNTY McKinley
NAME OF COMPANY James J. Goode
ADDRESS OF COMPANY Box 573, Dolores, Colorado 81323
NAME AND ADDRESS OF PERSON IN CHARGE James J. Goode,
Box 573, Dolores, Colorado 822-7716
NAME AND ADDRESS OF GENERAL MANAGER
NAME AND ADDRESS OF OTHER OFFICIALS

PRIVATE LAND
STATE LAND
FEDERAL LAND X

NAME AND ADDRESS OF OWNER OF PROPERTY Lee Roy Cosper, ~~Rt. 1, Box 86~~ /Cortez, Colorado
LOCATION: Sec. 8 T. 13 N R. 9 W MINING DISTRICT Mount Taylor
Turn off main Ambrosia Lake Rd., 2 mi. E. Cafe and go N. to mine.
TYPE OF DEPOSIT: TYPE OF WORKING:
REMARKS: ✓ Send one (1) copy of all inspection reports to Lee Roy Cosper
[illegible] Ceased 55 [illegible] AR - No Report
[illegible] 11-17-66 [illegible]
[illegible]
Idle [illegible] 1-12-67
DATE OF REGISTRATION 9-12-66 RE: 1-14-67

NAME OF MINE Spencer Shaft
MINERAL Uranium COUNTY McKinley
NAME OF COMPANY Hyde & Cosper
ADDRESS OF COMPANY ~~Rt. 1, Box 86, Cortez, Colorado~~ Box 3135, Milan Sta., Grants, New Mexico
NAME AND ADDRESS OF PERSON IN CHARGE Lee Roy Cosper TU 2-7324
& A. W. Hyde, Rt. 1, Box 86, Cortez, Colo. TU 2-4433
NAME AND ADDRESS OF GENERAL MANAGER Lee Roy Cosper
phone TU 2-4433
NAME AND ADDRESS OF OTHER OFFICIALS

PRIVATE LAND
STATE LAND
X
FEDERAL LAND

NAME AND ADDRESS OF OWNER OF PROPERTY Lee Roy Cosper, Rt. 1, Box 86,
Cortez, Colorado
LOCATION: Sec. 8 T. 13 R. 9W MINING DISTRICT Ambrosia Lake
Go North of Grants to the Ambrosia Lake road, go west 2 miles then
turn South 1 mile.
TYPE OF DEPOSIT: shaft TYPE OF WORKING: shaft
REMARKS: Send reports to: Box 3135 - Milan Station
Grants, N. M.
Ceased [illegible]
DATE OF REGISTRATION 3-18-61 RE: 9-5 [illegible]

NAME OF MINE Centennial -Section 8 Shaft
MINERAL U_3O_8 COUNTY McKinley
NAME OF COMPANY Centennial Devel.Co.
ADDRESS OF COMPANY P.O. Box 726, Grants, N.M.
NAME AND ADDRESS OF PERSON IN CHARGE Steele McIntyre
1332 N. First Street, Grants, New Mexico AT 7-4195
NAME AND ADDRESS OF GENERAL MANAGER H.B. Spencer
Box 726 - 828 Jefferson, Grants, New Mex. At 74383
NAME AND ADDRESS OF OTHER OFFICIALS

Shaft [illegible]

PRIVATE LAND
STATE LAND
FEDERAL LAND

NAME AND ADDRESS OF OWNER OF PROPERTY United Western Minerals Co.
136 W. Palace, Santa Fe, New Mexico
LOCATION: Sec. 8 T. 13N R. 9W MINING DISTRICT Ambrosia
2 miles North of Holly Uranium Mesa Top.
TYPE OF DEPOSIT: TYPE OF WORKING: Shaft sinking
REMARKS: [illegible] United Western Minerals [illegible] 7-6-59
DATE OF REGISTRATION 6/20/58 Re 8-3-57

Recon ID #: 312
AML File Code #: 1996.15

RECONNAISSANCE REPORT XEROX COPY FORM

ABANDONED MINE LAND PROGRAM
New Mexico Mining And Minerals Division

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_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____

P = Pending

DO NOT REMOVE *THIS FORM FROM REC ONNAISSANCE FILE, THANK YOU.*

4/4/96

1996.15 Record ID #312

AML FILE CODE: ~~93005~~
7.5 QUAD NAME: Dos Lomas
PROJECT NAME:

RECONNAISSANCE REPORT

SUMMARY PAGE

ABANDONED MINE LAND BUREAU
NEW MEXICO MINING AND MINERALS DIVISION

QUADRANGLE: Dos Lomas, New Mexico

LEGAL DESCRIPTION: T.13N, R.9W., SW1/4,SW1/4,NE1/4 of Sec. 23

COUNTY: McKinley

OWNERSHIP: Private

COAL OR NONCOAL: Uranium

TOTAL NUMBER OF FEATURES OF EACH TYPE:

ADIT: _____ SHAFTS: 1 SUBSIDENCES: 1

OTHER (gob, etc.): (1) gob pile

PERSON WHO WROTE RECONNAISSANCE: Raymond Rodarte

Person(s) doing recon: Raymond Rodarte

Date(s) of recon: 4/21/96

OTHER GENERAL COMMENTS OR RECOMMENDATIONS: Shaft contains collapsed wooden collar inside shaft,several boards bridge the opening of the shaft. A nearby subsidence hole or inpoundment is present on the site, it should also be bacfilled with the open shaft. A large waste pile is within 90 feet from the first feature and maybe 110 feet from the second feature, this material can be used for backfill.

4/4/96

AML FILE CODE:_____
7.5 QUAD NAME: Dos Lomas, N. Mex.
PROJECT NAME:_____

1. Legal description: Same

2. Feature type, AML number, and name of mine if known.
   Mine shaft, subsidence, Marcus Mine
3. Dimensions, if collapsed put collapsed
   #1. Shaft measures: 13'w x 13'l x 16'd
   #2. Subsidence measures: 49'w x 50'l x 34'd

4. Surface and/or mineral status and ownership. Private

5. Commodity mined if known.
   Uranium
6. Location, a description of how to get to the site: Drive to Milan, N.Mex. and take State Highway 605 north, for approximately 14 miles until you reach 509 intersection, drive north toward San Mateo for only a mile, the mine feature is to the right just before you get to the Marquez Ranch House.

8. Drawing showing features, gob, waste, archaeological stuff etc. Info attached.

9. Recommended closure technique: #1. Backfill shaft andsubsidence with suitable soil from nearby barrow area or wastepile.
   #2. Fence off both features.

10. Wildlife or evidence of observed. Elk or Wapiti (Cervus elaphus), Mule Deer (Odocoileus hemionus), Black Bear (Ursus americanus), Mountain lion (Felis concolor), Red Fox (Vulpes vulpes), Gray Fox (Urocyon dinereoargenteus), Bob Cat (Lynx rufus), Coyote (Canis latrans), Turkey (Meleagris gallopavo), Cottontail rabbit (Sylfilagus auduboni), Jackrabbit (Lepus Californicus), Raccoon (Procyon lotor), Badger (Taxidea taxus), Least Chipmunk (Eutamias minimus), Cliff Chipmunk (Eutamias dorsalis), Red Fox (Vulpes vulpes), Gray Fox (Urocyon dinereoargenteus), Bob Cat (Lynx rufus), Coyote (Canis latrans), Turkey (Meleagris gallopavo), Skunk (Mephitis), Raccoon (Procyon lotor), Badger (Taxidea taxus),

11. Proximity of suitable raptor nesting sites -No nearby sites.

12. Vegetation types present. Pinon Pine (Pinus edulis), Utah Juniper(Juniperus osteosperma), Pondarosa Pine(Pinus edulis)

Blue Grama(Bouteloua gracilis), Alfalfa Rhizoma (Medicago sativa), Western wheatgrass (Agropyron smithii).

13. Archaeological/Cultural resources observed.

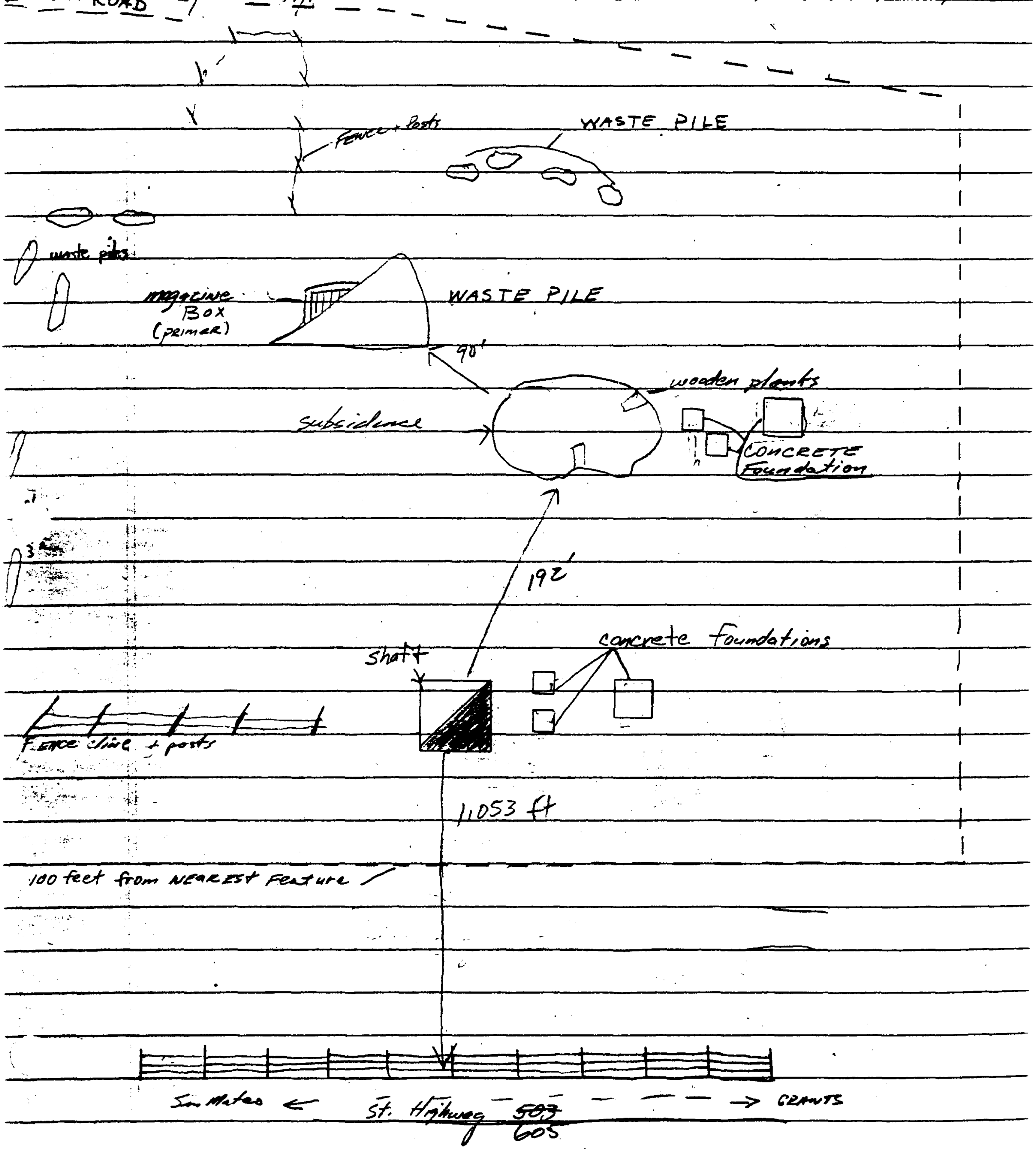
14. Photographs labeled with soon to be developed AML ID numbers. Photo attached & original filed.

15. Status of Right of Entry. Private

16. Status of PADS. If it is a coal area with PADS available include the PU and PA numbers. See Randall.

17. Other.

Marcus Mine - Uranium T.13N., R.9W., SW1/4, SW1/4, NE1/4 Sec. 2



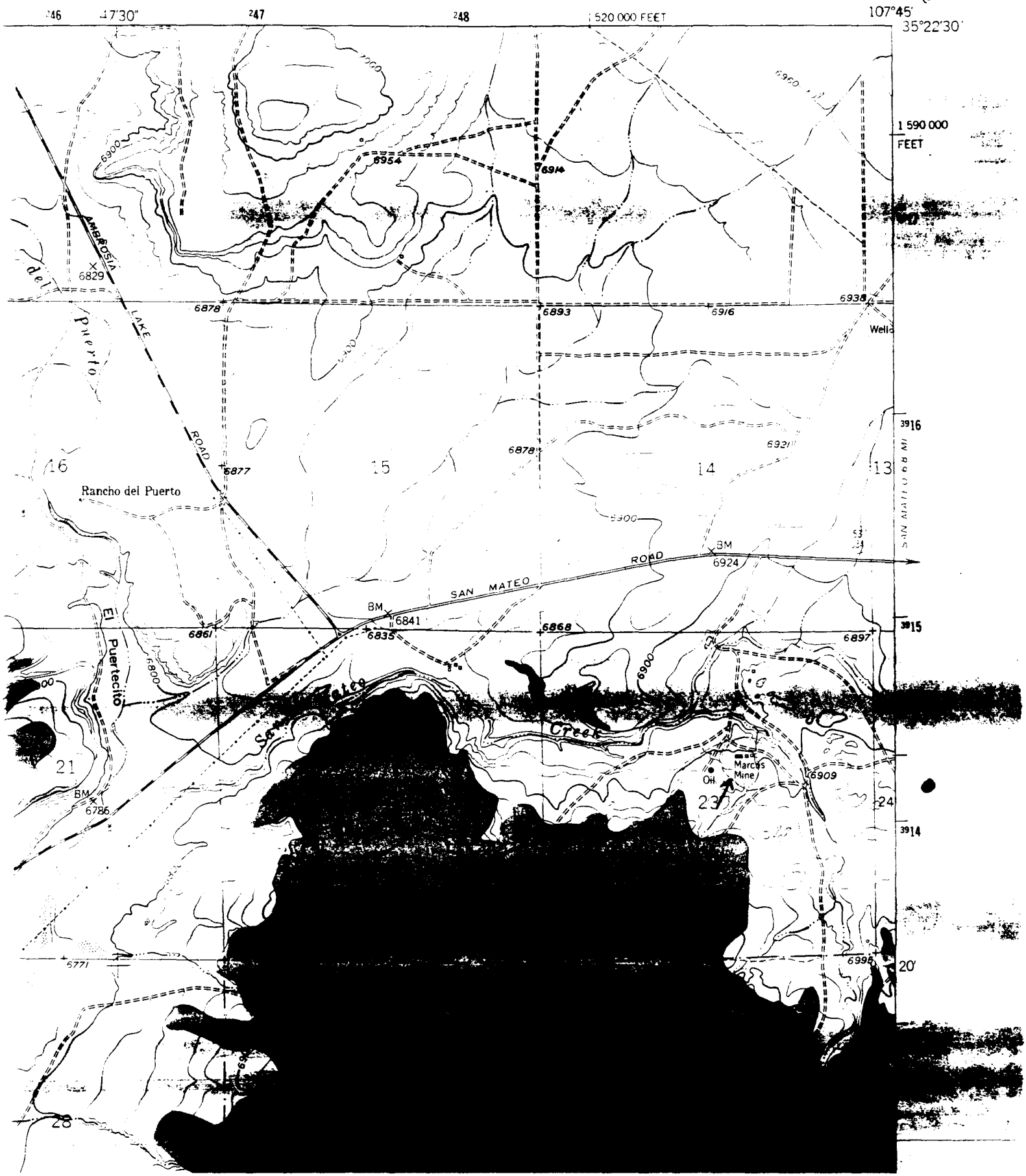
17

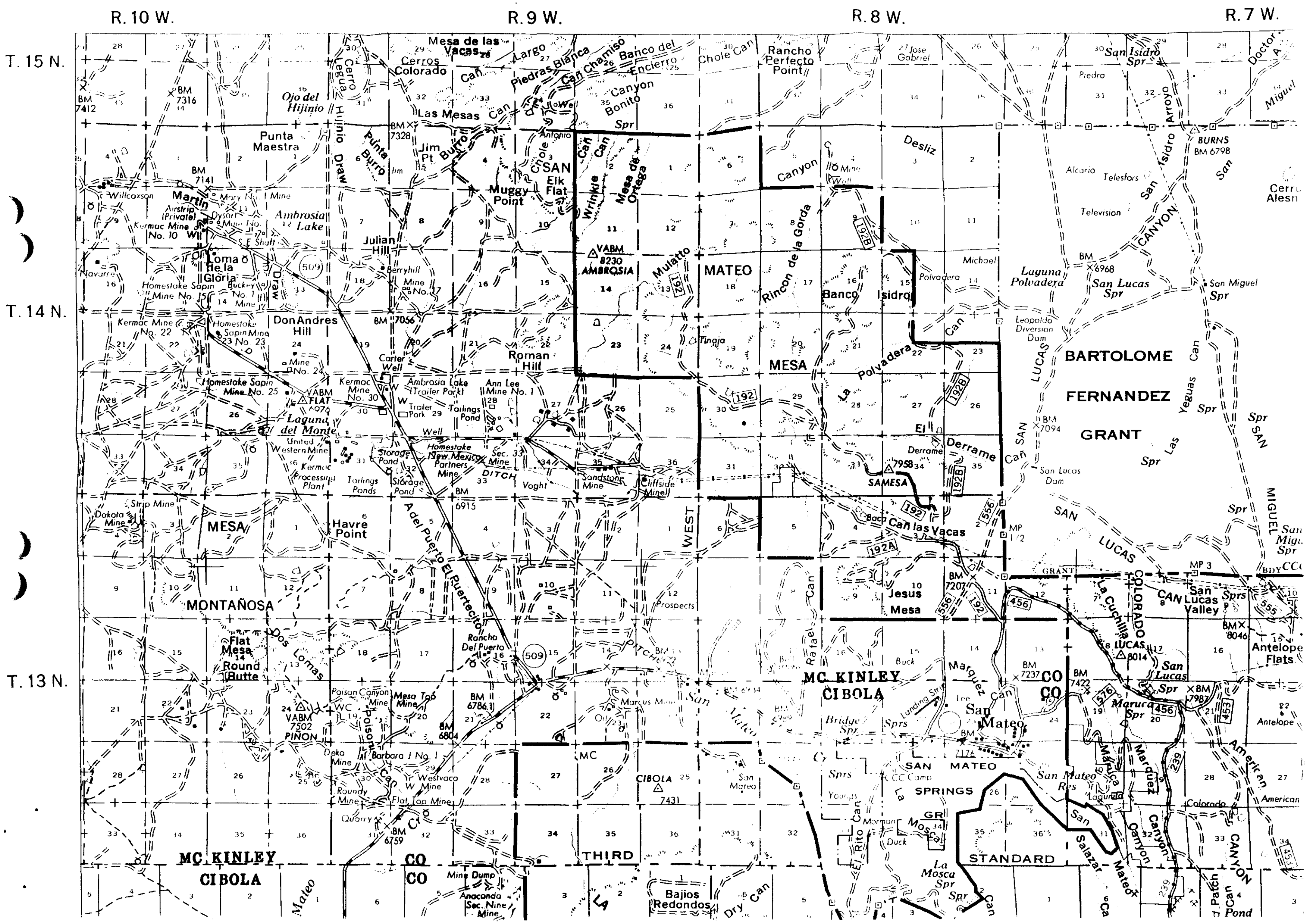
DOS LOMAS QUADRANGLE

NEW MEXICO

7 5 MINUTE SERIES (TOPOGRAPHIC)

4454 I NW (SAN LUCAS DAM)




R. 10 W.
R. 9 W.
R. 8 W.
R. 7 W.
T. 15 N.
T. 14 N.
T. 13 N.
Mesa de las Vacas
Cerros Colorado
Cerro Legua
Largo
Piedras Blanca
Can Chamiso
Banco del Encierro
Chole Can
Rancho Perfecto Point
Jose Gabriel
San Isidro Spr
Doctor
Miguel
Ojo del Hijinio
Las Mesas
Canyon Bonito
Spr
Punta Maestra
Hijinio Draw
Punta Burro
Jim Pt
Burro
Antonio
Chole
SAN
Elk Flat
Wrinkle Can
Mesa de Ortega
Canyon
Desliz
Alcario
Telesfors
Television
BURNS BM 6798
San Isidro
Arroyo
Cerro Alesn
Willcoxson
Martin
Airstrip (Private)
Mary No. 1 Mine
Ambrosia Lake
Kermac Mine No. 10
Muggy Point
Julian Hill
Loma de la Gloria
Draw
Navarre
Homestake Sapin Mine No. 15
Berryhill Mine No. 7
VABM 8230 AMBROSIA
Mulatto
MATEO
Rincon de la Gorda
Banco
Isidro
Polvadera
Michael
Laguna Polvadera
San Lucas Spr
San Miguel Spr
CANYON
Kermac Mine No. 22
Homestake Sapin Mine No. 23
Don Andres Hill
Mine No. 24
Carter Well
Roman Hill
Tinaja
MESA
La Polvadera
Can
Leopoldo Diversion Dam
LUCAS
BARTOLOME
FERNANDEZ
GRANT
Yeguas
Homestake Sapin Mine No. 25
VABM FLAT
Laguna del Monte
Kermac Mine No. 30
Ambrosia Lake (Trailer Park)
Trailer Park
Ann Lee Mine No. 1
Tailings Pond
Well
United Western Mine
Kermac Processing Plant
Tailings Ponds
Storage Pond
Homestake New Mexico Partners Mine
Sec. 33 Mine
DITCH
Voght
Sandstone Mine
Cliffside Mine
El Derrame
Derrame
SAMESA
Can
San Lucas Dam
Las
Strip Mine
Dakota Mine
MESA
Havre Point
Adel Puerto El Puertecito
WEST
Baca
Can las Vacas
MP 1/2
SAN LUCAS
MIGUEL
GRANT
MP 3
BDY
MONTAÑOSA
Dos Lomas
Prospects
Jesus Mesa
La Cuchilla
COLORADO
CAN
San Lucas Valley
Sprs
Flat Mesa
Round Butte
Rancho Del Puerto
DITCH
Rafael
Buck
Marquez
LUCAS
San Lucas
Antelope Flats
MC KINLEY
CIBOLA
Poison Canyon Mine
Mesa Top Mine
VABM 7502
PIÑON
Marcus Mine
San Mateo
Bridge Spr
Sprs
Landing Strip
Lee
San Mateo
Maruca Spr
Antelope
American
Barbara J No. 1
Deko Mine
Westvaco Mine
Roundy Mine
Flat Top Mine
Quarry
MC
CIBOLA 7431
San Mateo
Cr
SAN MATEO SPRINGS
CCC Camp
Youngs
San Mateo Res
Laguna
Maruca
Marquez
Colorado
Canyon
La Mosca
Mormon
Duck
El Rito Can
GR
STANDARD
San Salazar
Mateo
CANYON
MC KINLEY
CIBOLA
CO
CO
THIRD
Mine Dump
Anaconda Sec. Nine Mine
LA
Bajios Redondos
Dry Can
La Mosca Spr
Spr
Can
Patch
Pond

AML FILE CODE: 93006
7.5 QUAD NAME: Dos Lomas
PROJECT NAME: Grants Uranium Phase 3

1. Legal description including T., R., SECTION AND 7.5′ QUADRANGLE.
   Same as above.

2. Feature type, AML number, and name of mine if known.
   Marcus Mine - Feature #1 shaft
   - Feature #2 subsidence

3. Dimensions, if collapsed put collapsed
   Feature #1 shaft measures: 13′w x 13′l x 16′d
   Feature #2 subsidence hole measures: 49′w x 50′l x 34′d

4. Surface and/or mineral status and ownership. Private, public? If public which agency manages it? Include addresses, phone numbers, and any other information which may be helpful. **If unknown put unknown.**
   Private: (b) (6) - San Mateo, New Mexico

5. Commodity mined if known. Uranium

6. Location, a description of how to get to the site, distance from any town, highway, or landmark.
   From Milan, New Mexico near Grants, get off U.S. 66 drive north on highway 53 from Milan approximately 16.5 miles past highway 509, then east for another 1 mile and approximately 1,053 feet south from highway 503.

7. Topographic (8.5"x11") map with site marked.
   Refer to attached map

8. Drawing showing features, gob, waste, archaeological stuff etc.
   Refer to archeological report and attached memos.

9. Recommended closure technique and two alternatives, include availability and source of backfill material.

   Alternative #1:
   Feature #1 shaft will have all timber removed from inside shaft and backfilled with nearby waste pile, 2′-3′ft topsoil mound, furrowed and seeded.
   Feature #2 subsidence hole will be backfilled with nearby waste pile, mounded, furrowed and seeded.

   Alternative #2: Feature 1 & 2 shall be fenced and posted with keep out signs.

10. Wildlife: Elk (Cervus elaphus), Barbary Sheep (Ammotragus lervia), Mule Deer (Odocoileus hemionus), Black Bear (Ursus americanus), Mountain Lion (Felis concolor), Red Fox (Vulpes vulpes), Snowshoe Hare (Lepus

americanus), Cottontail rabbit (Sylfilagus aububoni), jackrabbit (Lepus Californicus) Skunk (Mephitis), Raccoon (Procyon lotor), Badger (Taxidea taxus), Black-tailed Prairie Dog (Cynomys ludovicianus).

11. Proximity of suitable raptor nesting sites - ie.: high cliffs, whitewash. Raptor nesting if any will not be effected.

12. Vegetation consists of juniper (Juniperus monosperma), pinon (Pinus edulis), loco weed (Astragulus spp.), snakeweed (Gutierrezia sarcobatus), sage (Artemisia spp.), mountain mahogany (Cercocarpus spp.), Indian rice grass (Oryzopsis hymenoides), saltbush (Atriplex canescens) and wolfberry (Lycium pallidum).

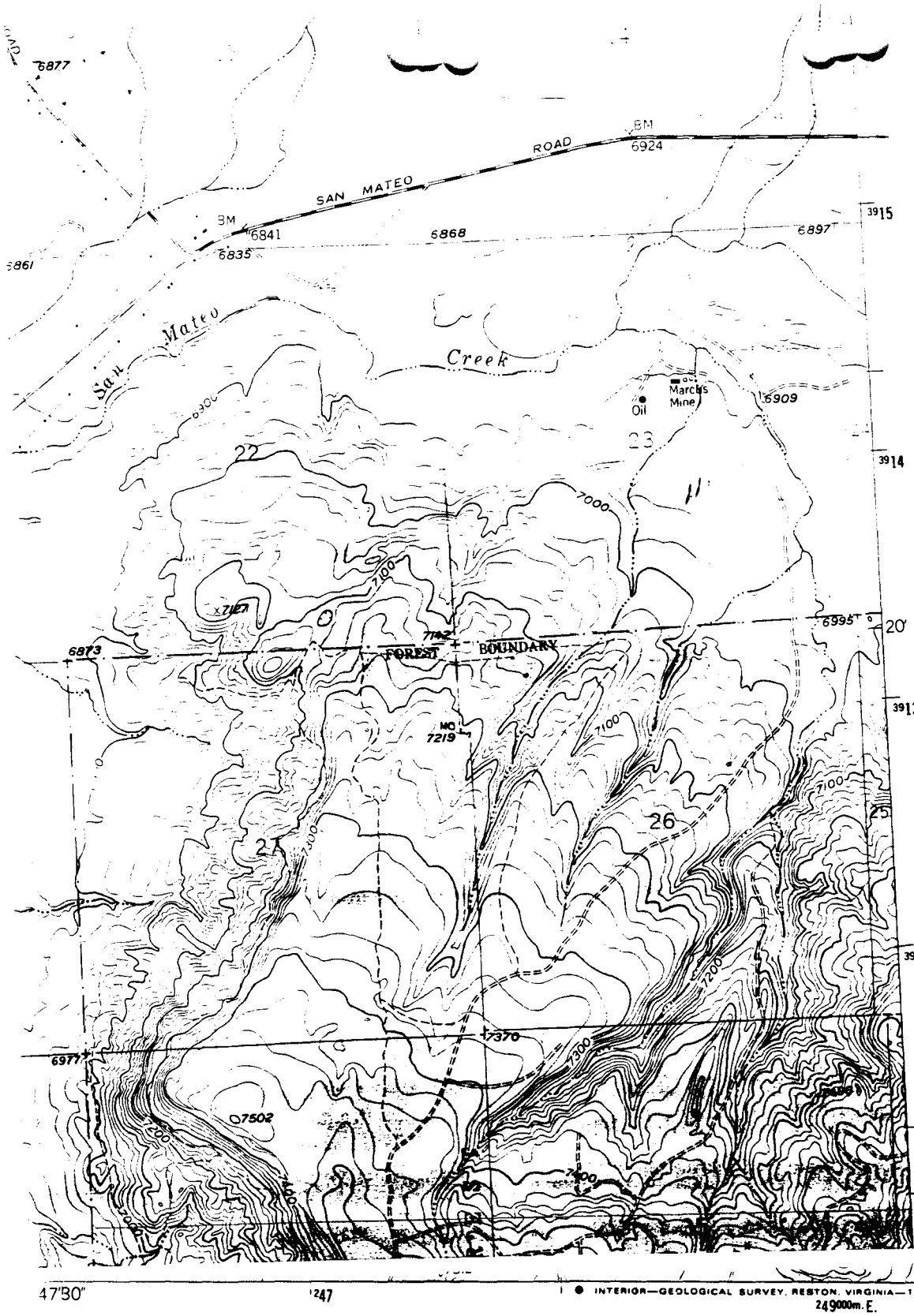
13. Archaeological/Cultural resources observed.
In process

14. Photographs labeled with soon to be developed AML ID numbers.
Attached to this memo or refer to project manuel.

15. Status of Right of Entry.
Surface ownership and minerals:
(b) (6) [redacted], San Mateo New Mexico.

16. Status of PADS. If it is a coal area with PADS available include the PU and PA numbers. See Randall.

17. Other. Anything you want or feel is important and was not covered above. Publications or reports related to this minesite.
Refer to public meeting held on May 7, 1993 for Grants Uranium Phase 3



INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1981

ROAD CLASSIFICATION

Medium-duty ——— Light-duty ———

Unimproved dirt =======

State Route

QUADRANGLE LOCATION

(LOBO SPRINGS) 4454 II NW

DOS LOMAS, N. MEX.

N3515—W10745/7.5

1957

Revisions shown in purple compiled from aerial photographs taken 1978 and other source data. This information not field checked. Map edited 1980

Recon ID #: 168
AML File Code #: 1994.24

RECONNAISSANCE REPORT XEROX COPY FORM

ABANDONED MINE LAND PROGRAM
New Mexico Mining And Minerals Division

Please Note:

Original Reconnaissance Report must remain in the Reconnaissance original file, copies may be made to file in the Project file "**a**" Background Information – includes inventory sheets, (PADS), preliminary site inspection reports, and, in general, all correspondence up to the time that IFB is mailed (except what should be placed in the EA, IFB, Pre-Construction Contracts, Public Meetings and Information, and Realty files)

Please write in name of Project in which copies are filed at:

Project Name	**Project ID #**
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____

P = Pending

DO NOT REMOVE *THIS FORM FROM REC ONNAISSANCE FILE, THANK YOU.*

ORIGINAL

Rec'd JD #168

7/26/94

AML FILE CODE: 94024
7.5 QUAD NAME: Dos Lomas, New Mexico
PROJECT NAME:

RECONNAISSANCE REPORT
SUMMARY PAGE

ABANDONED MINE LAND BUREAU
NEW MEXICO MINING AND MINERALS DIVISION

QUADRANGLE NAME: Dos Lomas, N. Mex.

Township 13 North, Range 9 West, Section(s) 8

COUNTY: McKinley

OWNERSHIP: Surface ((b) (6)) Minerals (BLM)

COAL OR NONCOAL?: Non-Coal (Uranium)

TOTAL NUMBER OF FEATURES OF EACH TYPE:

ADITS: SHAFTS: 1 SUBSIDENCES:

OTHER (gob, etc.): (1) Uranium waste pile

PERSON WHO WROTE RECONNAISSANCE: Raymond Rodarte

Person(s) doing recon: Raymond Rodarte

Date(s) of recon: 7/25/94

OTHER GENERAL COMMENTS OR RECOMMENDATIONS: Inspected on July 25, 1994 the steel headframe is leaning north and the shaft has collapsed. The Rancher had fenced the perimeter of the subsidence to protect livestock from falling inside the shaft and avoid the steel headframe from hitting anything.

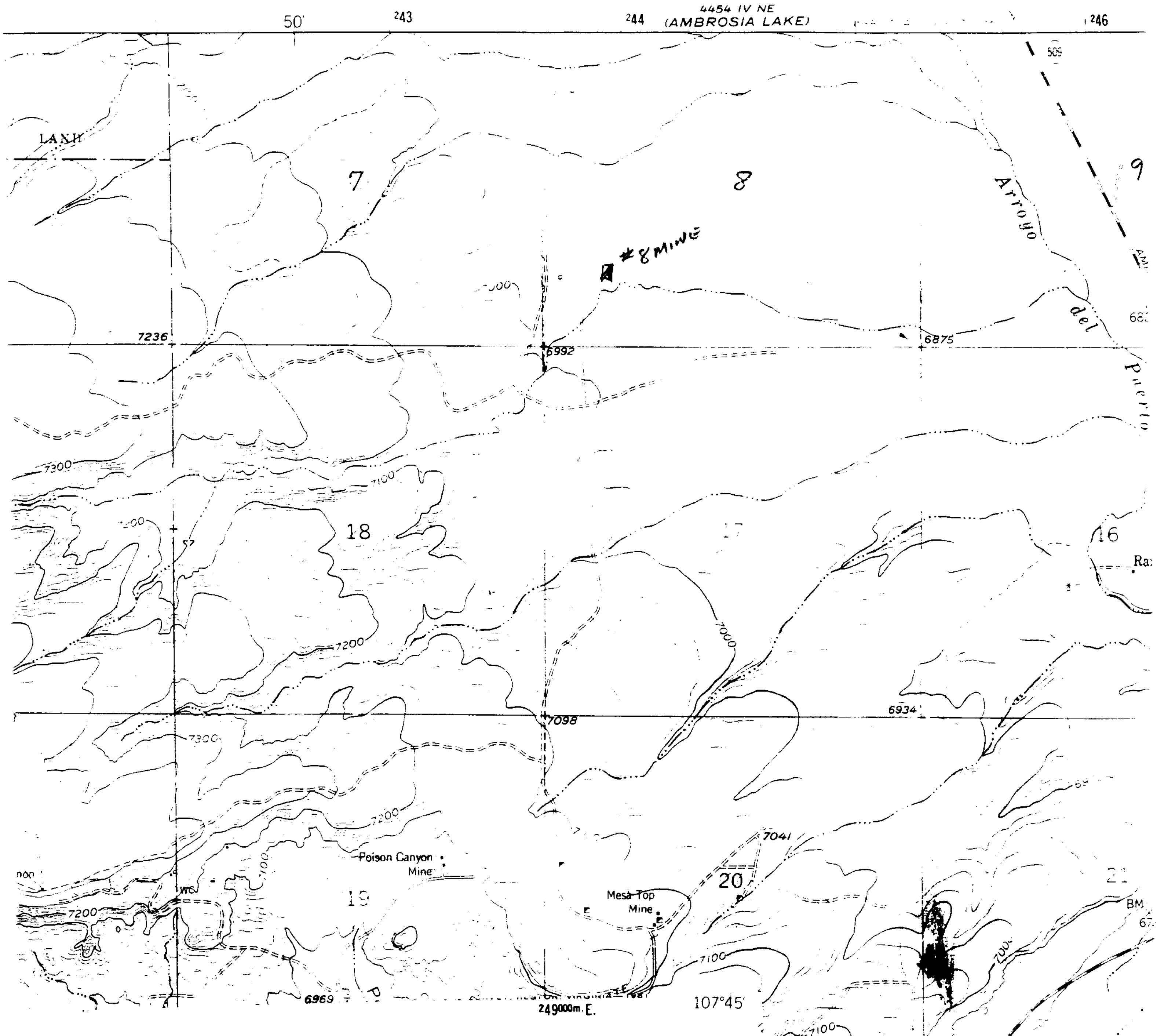
7/26/94

AML FILE CODE: _____
7.5 QUAD NAME: Dos Lomas, New Mex
PROJECT NAME: _____

1. Legal description including T., R., SECTION AND 7.5′ QUADRANGLE.
   Same
2. Feature type, AML number, and name of mine if known.
   Same
3. Dimensions, if collapsed put collapsed
   The steel headframe measures approximately 27 feet long by nine feet wide at the base and about 35 feet tall.
   The area around the shaft that has subsided is approximately 15 feet deep and measures approximately 40 feet across.
4. Surface and/or mineral status and ownership.
   Surface lease on grazing- (b) (6) , San Mateo, N. Mex.
   Minerals - Bureau of Land Management
5. Commodity mined if known.
   Uranium
6. Location, a description of how to get to the site, distance from any town, highway, or landmark.
   Map attached. Must have Ranchers permition.
7. Topographic (8.5"x11") map with site marked.
   Map attached.
8. Drawing showing features, gob, waste, archaeological stuff etc.

9. Recommended closure technique:
   Same as phase 2 Grants Uranium Project.
10. Wildlife or evidence of observed.
    Coyote (Canis latrans), mule deer (Odocoileus hemionus), desert cotton tail (Sylvilagus audubonii), jackrabbot (Lepus californicus), and numerous othe birds, rodents, and reptiles.
11. Proximity of suitable raptor nesting sites - ie.: high cliffs, whitewash.
    None sited.
12. Vegetation types present. Pinon-Juniper etc.
    Juniper (Juniperus nonosperma), pinon (Pinus edulis, loco weed (Astragulus spp.), snakeweed (Gutierrezia sarcobatus), sage (Artemisia spp.), mountain mahogany (Cercocarpus spp.), Indian rice grass (Oryzopsis hymenoides), and saltbush (Atriplex canescens).
13. Archaeological/Cultural resources observed.
    None
14. Photographs labeled with soon to be developed AML ID numbers.
    processing
15. Status of Right of Entry.
    BLM cleared,
16. Status of PADS. If it is a coal area with PADS available include the PU and PA numbers. See Randall.

17. Other. Anything you want or feel is important and was not covered above. Publications or reports related to this minesite.



ROAD CLASSIFICATION

Medium-duty ——— Light-duty ———

Unimproved dirt =======

State Route

NEW MEXICO

ANGLE LOCATION

n in purple compiled from aerial photographs
d other source data. This information not
Map edited 1980

DOS LOMAS, N. MEX.
N3515—W10745/7.5

1957
PHOTOREVISED 1980
DMA 4454 IV SE—SERIES V881

Note: Mine Location

July 26, 1994

MEMORANDUM

To: Bob Evetts, Bureau Chief

From: Raymond Rodarte, Reclamation Spec. 3

Subject: Public Emergency Call - (Section 8 Mine) T.13N. R.9W., Section 8. Dos Lomas, N. Mex. Quad.

On July 25, 1994 I Raymond Rodarte was called by Mr. (b) (6) concerning a mine steel frame that is falling over a collapsing mine shaft. Mr. (b) (6) was concerned about his horses and cattle that are grazing within section 8, which he leases from Bureau of Land Management.

At approximately 8:15 a.m. I traveled to Ambrosia Lake, New Mexico to inspect the problem area that the Rancher describes as being dangerous for livestock and the public. I arrived at the site at approximately 1:30 p.m. with Mr. (b) (6) and Mr. Taylor (Mr. Taylor whom is completing reclamation for Lee Ranch) whom drove me to where the Section 8 Uranium Mine was at as they described it.

As we reached the site one could see the large steel head frame leaning to the side and a large area that was subsiding. The shaft had gone down approximately 15 feet down and the subsidence measured approximately 40 feet across. The rancher being concerned about the headframe collapsing on his livestock or his ranch hands, fenced the perimeter of the subsidence.

I mentioned to Mr. (b) (6) that I would take photo's of the headframe, subsidence and describe the problem area in detail to Abandoned Mine Land Bureau Chief Bob Evetts. I also mentioned that Office of Surface Mines Representative Jerry White would have to approve any work that I call as an emergency.

My recommendations would be to hire a Contractor to cut one or both steel head frame legs in bringing down the steel headframe, therefore eliminating the immediate hazard. " According to Mr. Evetts, before anything can be done, a NEPA compliance would have to be approved.

Recon ID #: 54
AML File Code: 1993.06

RECONNAISSANCE REPORT XEROX COPY FORM

ABANDONED MINE LAND PROGRAM

New Mexico Mining And Minerals Division

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Please write in name of Project in which copies are filed at:

Project Name	**Project ID #**
Grants Uranium Pr. III	EMNRD-MMD-P

P = pending

DO NOT REMOVE THIS FORM FROM REC ONNAISSANCE FILE, THANK YOU.

December 12, 1994

RE: Grants Phase 3 Project
Surface and Mineral Ownership Report
McKinley County, New Mexico

The following records were checked during the period of 12/1/94 at
Bureau of Land Management
Federal Building
Santa Fe, New Mexico

McKinley County Court
Gallup, New Mexico - Records were checked on 11/29/94

MARCUS MINE

Township 13 North, Range 9 West, SW1/4,SW1/4,NW1/4 of Section 23
Surface & Mineral Ownership: (b) (6)
San Mateo, New Mexico
Book No. 1 Pages 4651 thru 4659

NUMBER 8 MINE

Township 13 North, Range 9 West, NE1/4,SW1/4,SW1/4 of Section 8
Surface and Mineral: Bureau of Land Management
Grazing Lease: (b) (6)

Access right of entry: (b) (6)
San Mateo, New Mexico

Recon JD #54

6/07/93

AML FILE CODE : 93006
7.5 QUAD NAME: Dos Lomas
PROJECT NAME: Grants Uranium Phase 3

RECONNAISSANCE REPORT
SUMMARY PAGE

ABANDONED MINE LAND BUREAU
NEW MEXICO MINING AND MINERALS DIVISION

QUADRANGLE NAME: Dos Lomas, Township 13 North, Range 9 West, Section(s) SW1/4,SW1/4,NE1/4, Sec. 23.

COUNTY: McKinley

OWNERSHIP: (b) (6), San Mateo, New Mexico

COAL OR NONCOAL?: Uranium

TOTAL NUMBER OF FEATURES OF EACH TYPE:

ADITS: _____ SHAFTS: 1 SUBSIDENCES: 1

OTHER (gob, etc.): large waste pile, magazine box

PERSON WHO WROTE RECONNAISSANCE: Raymond Rodarte

Person(s) doing recon: Raymond Rodarte

Date(s) of recon: April 21, 1993

OTHER GENERAL COMMENTS OR RECOMMENDATIONS: Shaft contains collapsed wooden collar which will have to be removed from inside shaft to prevent bridging. Nearby waste pile contains the required backfill material for both features to be backfilled.
Waste pile material not used will be graded, contoured, covered with suitable topsoil and seeded. All disturbed access roads will also be reclaimed at the satisfaction of the project manager.
Feature #1 shaft measures: 13'w x 13'l x 16'd
Feature #2 subsidence : 21'w x 21'l x 12'd

(Note: This page must be filled out for every recon report and should be the first page (cover page) of the report. A recon checklist follows this cover page, all information of the checklist should be reported for each feature located and be in the same sequence as the checklist. See Randall or Homer if you have any questions.)

4/15/92

AML FILE CODE:_____
7.5 QUAD NAME:_____
PROJECT NAME:_____

Reconnaissance checklists - reconnaissance reports should contain as much of the information below as possible AND SHOULD BE IN THE SAME SEQUENCE AS BELOW. All the information should be filled out for each feature. If it is repetitive (SAME AS PAGE 1 OF YOUR REPORT) put SAME. It is also important that the **QUAD NAME AND PROJECT NAME** be at the top as Geraldine will need to find these items quickly for filing purposes.

1. Legal description including T., R., SECTION AND 7.5′ QUADRANGLE.
   Same as above.

2. Feature type, AML number, and name of mine if known.
   Marcus Mine - Feature #1 shaft
   - Feature #2 subsidence

3. Dimensions, if collapsed put collapsed
   Feature #1 shaft measures: 13′w x 13′l x 16′d
   Feature #2 subsidence hole measures: 49′w x 50′l x 34′d

4. Surface and/or mineral status and ownership. Private, public? If public which agency manages it? Include addresses, phone numbers, and any other information which may be helpful. **If unknown put unknown.**
   Private: (b) (6) [redacted] - San Mateo, New Mexico

5. Commodity mined if known. Uranium

6. Location, a description of how to get to the site, distance from any town, highway, or landmark.
   From Milan, New Mexico near Grants, get off U.S. 66 drive north on highway 53 from Milan approximately 16.5 miles past highway 509, then east for another 1 mile and approximately 1,053 feet south from highway 503.

7. Topographic (8.5"x11") map with site marked.
   Refer to attached map

8. Drawing showing features, gob, waste, archaeological stuff etc.
   Refer to archeological report and attached memos.

9. Recommended closure technique and two alternatives, include availability and source of backfill material.

   Alternative #1:
   Feature #1 shaft will have all timber removed from inside shaft and backfilled with nearby waste pile, 2′-3′ft topsoil mound, furrowed and seeded.
   Feature #2 subsidence hole will be backfilled with nearby waste pile, mounded, furrowed and seeded.

Alternative #2:
Feature #1 and #2 shall receive temporary fence with keep out signs

10. Wildlife or evidence or observed.
Elk (Cervus elaphus), Barbary Sheep (Ammotragus lervia), Mule Deer (Odocoileus hemionus), Black Bear (Ursus americanus), Mountain Lion (Felis concolor), Red Fox (Vulpes vulpes), Snowshoe Hare (Lepus americanus), Cottontail rabbit (Sylfilagus aububoni), jackrabbit (Lepus Californicus) Skunk (Mephitis), Raccoon (Procyon lotor), Badger (Taxidea taxus), Black-tailed Prairie Dog (Cynomys ludovicianus).

11. Proximity of suitable raptor nesting sites - ie.: high cliffs, whitewash. Raptor nesting if any will not be effected.

12. Vegetation consists of juniper (Juniperus monosperma), pinon (Pinus edulis), loco weed (Astragulus spp.), snakeweed (Gutierrezia sarcobatus), sage (Artemisia spp.), mountain mahogany (Cercocarpus spp.), Indian rice grass (Oryzopsis hymenoides), saltbush (Atriplex canescens) and wolfberry (Lycium pallidum).

13. Archaeological/Cultural resources observed.
In process

14. Photographs labeled with soon to be developed AML ID numbers.
Attached to this memo or refer to project manuel.

15. Status of Right of Entry.
Surface ownership and minerals:
(b) (6) [redacted], San Mateo New Mexico.

16. Status of PADS. If it is a coal area with PADS available include the PU and PA numbers. See Randall.

17. Other. Anything you want or feel is important and was not covered above. Publications or reports related to this minesite.
Refer to public meeting held on May 7, 1993 for Grants Uranium Phase 3

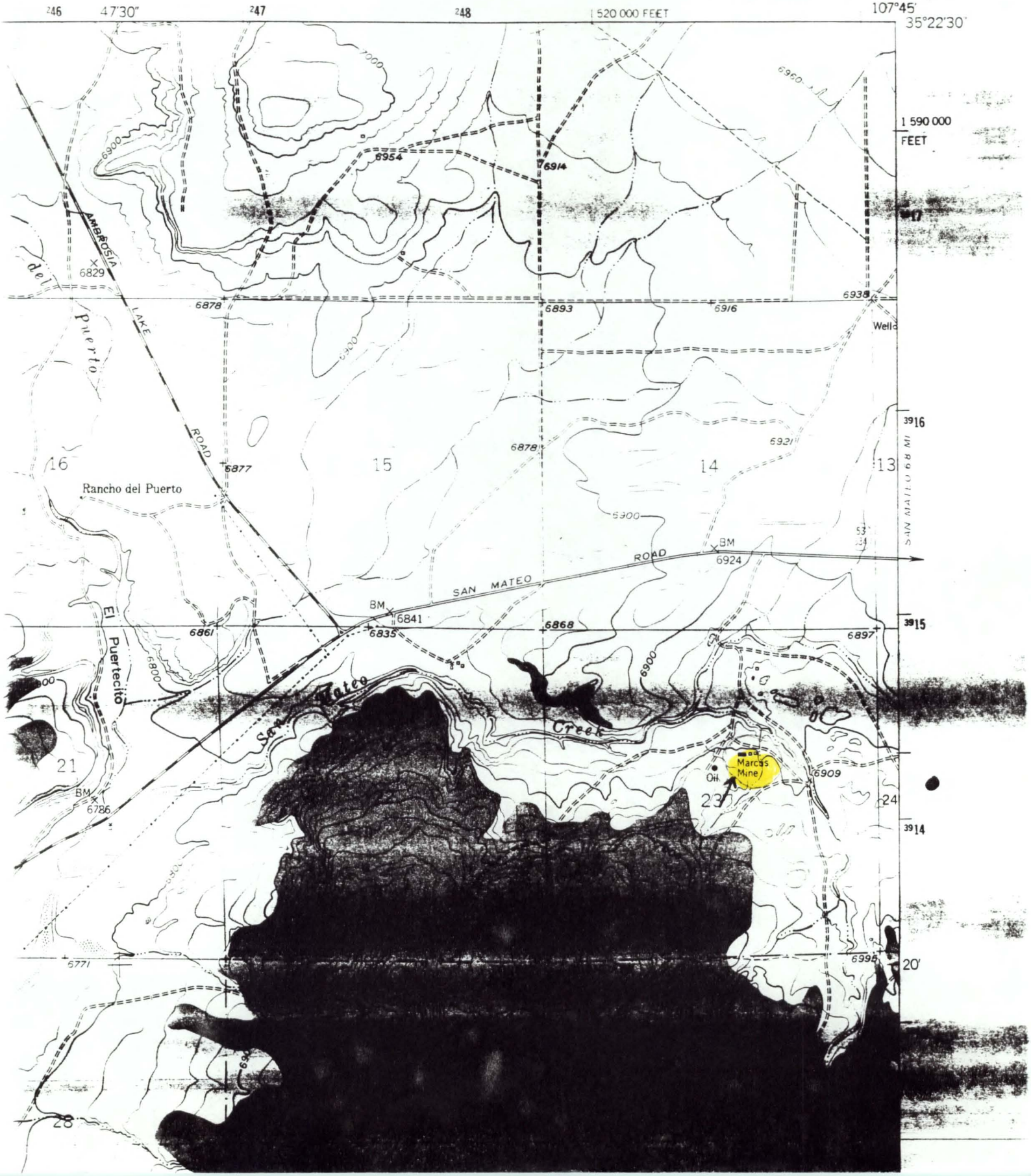
17

DOS LOMAS QUADRANGLE

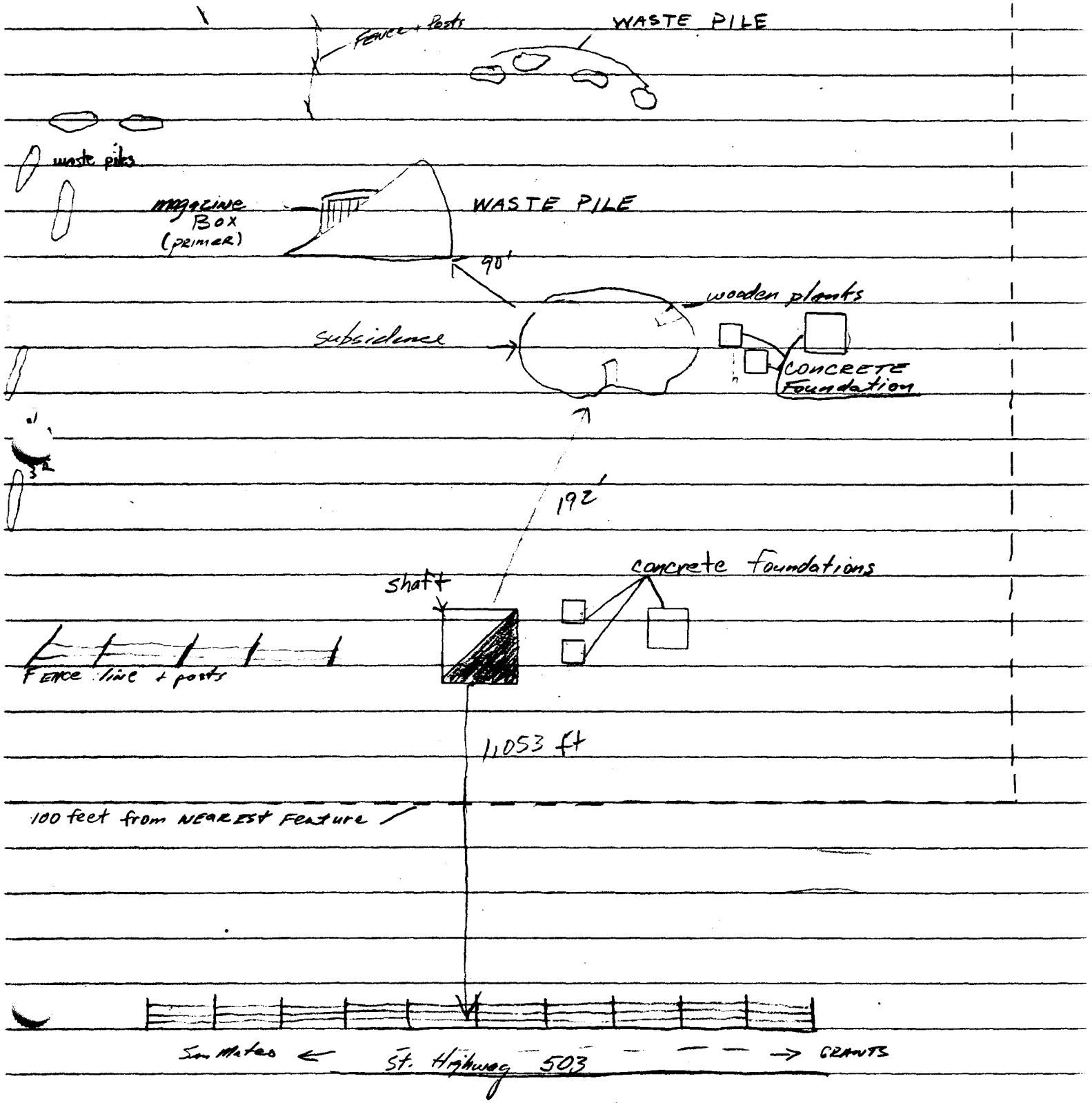
NEW MEXICO

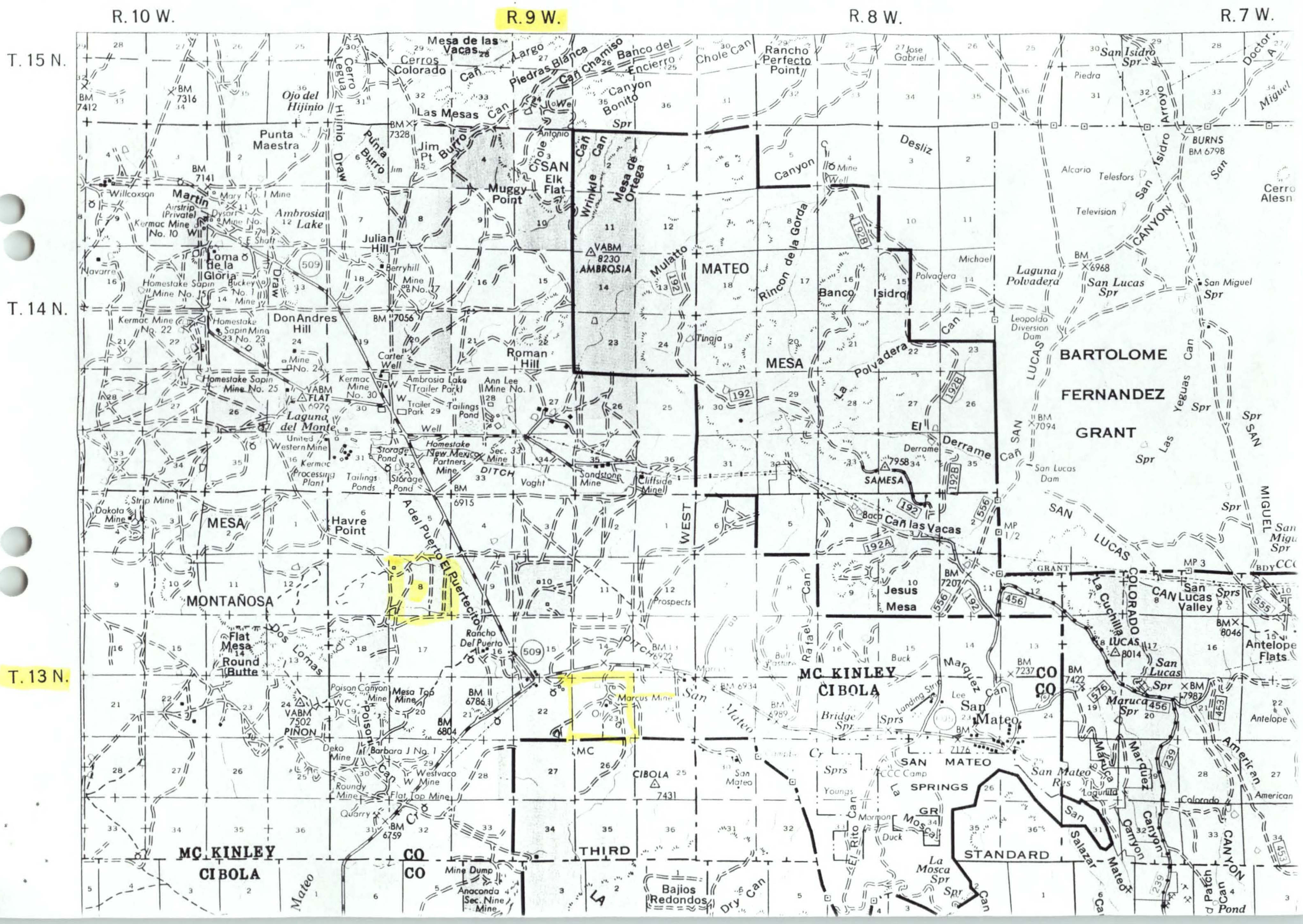
7.5 MINUTE SERIES (TOPOGRAPHIC)

4454 I NW (SAN LUCAS DAM)



55 ROAD — Marcus Mine - URANIUM T. 13N., R. 9W., SW¼, SW¼, NE¼ Sec. 2





R. 10 W.
R. 9 W.
R. 8 W.
R. 7 W.
T. 15 N.
T. 14 N.
T. 13 N.
Mesa de las Vacas
Cerros Colorado
Piedras Blanca
Can Chamiso
Banco del Encierro
Canyon Bonito
Chole Can
Rancho Perfecto Point
Jose Gabriel
San Isidro Spr
Piedra
Doctor
Ojo del Hijinio
Cerro Legua
Hijinio Draw
Las Mesas
Punta Maestra
Punta Burro
Jim Pt Burro
Antonio
SAN
Elk Flat
Muggy Point
Wrinkle Can
Mesa de Ortega
Desliz
Canyon
Mine
Well
BURNS
BM 6798
Alcario
Telesfors
Television
Cerro Alesn
Willcoxson
Martin
Mary No. 1 Mine
Ambrosia Lake
Kermac Mine No. 10
Julian Hill
VABM 8230
AMBROSIA
Mulatto
MATEO
Rincon de la Gorda
Banco
Isidro
Polvadera
Michael
Laguna Polvadera
San Lucas Spr
San Miguel Spr
Loma de la Gloria
Navarre
Homestake Sapin Mine No. 15
Berryhill Mine No. 7
Kermac Mine No. 22
Homestake Sapin Mine 23 No. 23
Don Andres Hill
Mine No. 24
Carter Well
Roman Hill
Tinaja
Leopoldo Diversion Dam
BARTOLOME
FERNANDEZ
GRANT
Homestake Sapin Mine No. 25
VABM FLAT 6976
Kermac Mine No. 30
Ambrosia Lake (Trailer Park)
Trailer Park
Tailings Pond
Ann Lee Mine No. 1
MESA
La Polvadera
Laguna del Monte
United Western Mine
Kermac Processing Plant
Tailings Ponds
Storage Pond
Homestake New Mexico Partners Mine
Sec. 33 Mine
DITCH
Voght
Sandstone Mine
Cliffside Mine
El Derrame
Derrame Can
SAMESA
7958
San Lucas Dam
Yeguas
Las
Spr
Strip Mine
Dakota Mine
MESA
Havre Point
Adel Puerto El Puertecito
WEST
Baca Can las Vacas
SAN LUCAS
MIGUEL
MP 1/2
MP 3
GRANT BDY
MONTAÑOSA
Dos Lomas
Prospects
Jesus Mesa
La Cuchilla
COLORADO
CAN
San Lucas Valley
BM 7207
BM 8046
Antelope Flats
Flat Mesa
Round Butte
Rancho Del Puerto
Rafael
Bull Pasture
Buck
Marquez Can
LUCAS 8014
San Lucas
Poison Canyon Mine
Mesa Top Mine
BM 6786
Marcus Mine
BM 6934
MC KINLEY
CIBOLA
BM 7237
CO
BM 7422
Maruca Spr
BM 7987
VABM 7502
PIÑON
Oil
Bridge Spr
Sprs
Landing Strip
Lee
San Mateo
BM 7176
Antelope
Deko Mine
Barbara J No. 1
Westvaco W Mine
Roundy Mine
Flat Top Mine
Quarry
MC
CIBOLA 7431
San Mateo
SAN MATEO
CCC Camp
SPRINGS
San Mateo Res
Laguna
Marquez
American Canyon
Colorado
Youngs
BM 6759
THIRD
Mormon
Mosca
Duck
STANDARD
Salazar
Mateo
Canyon
CIBOLA
CO
Mine Dump
Anaconda Sec. Nine Mine
LA
Bajios Redondos
Dry Can
La Mosca Spr
El Rito Can
Patch Can
Pond

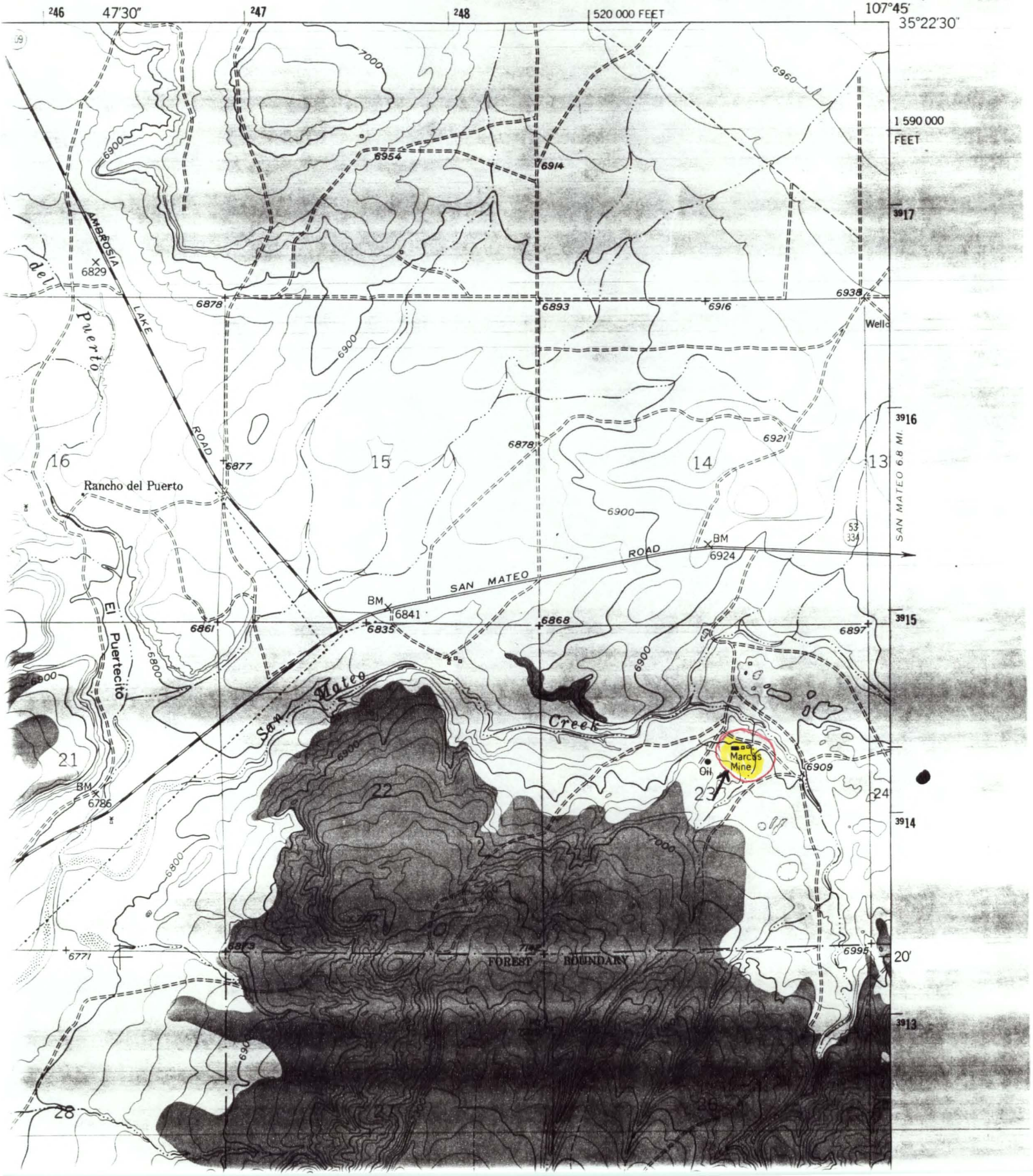
17

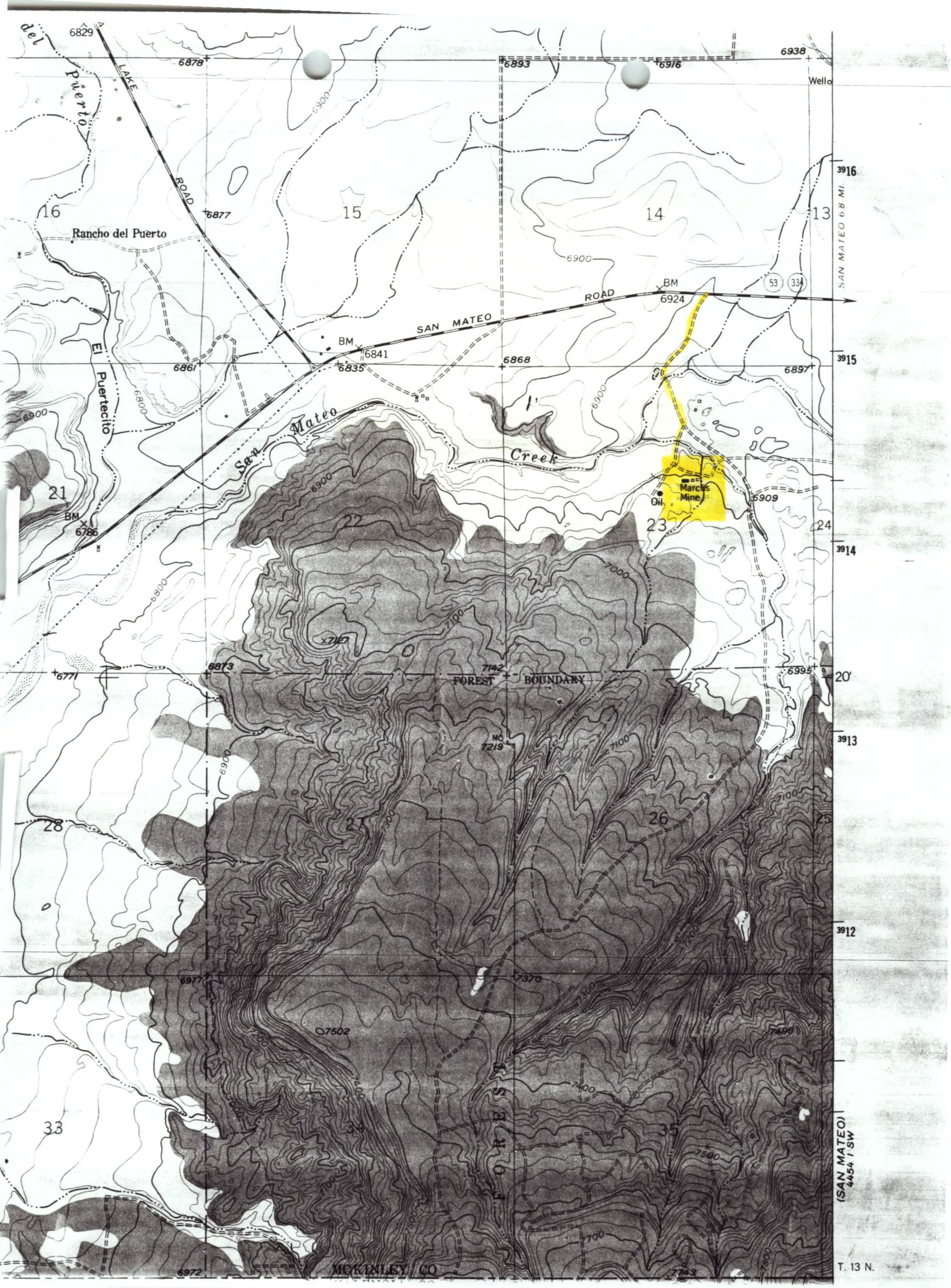
DOS LOMAS QUADRANGLE

NEW MEXICO

7.5 MINUTE SERIES (TOPOGRAPHIC)

4454 I NW (SAN LUCAS DAM)




6829
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16
15
14
13
Rancho del Puerto
6877
3916
SAN MATEO 6.8 MI.
53
334
ROAD
BM
6924
SAN MATEO
BM
6841
6861
6835
6868
3915
6897
El Puertecito
6800
San Mateo
Creek
Marcus Mine
Oil
6909
21
BM
6786
22
23
24
3914
7000
7100
7127
6771
6873
7142
FOREST BOUNDARY
6995
20'
MC
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7500
(SAN MATEO)
4454 I SW
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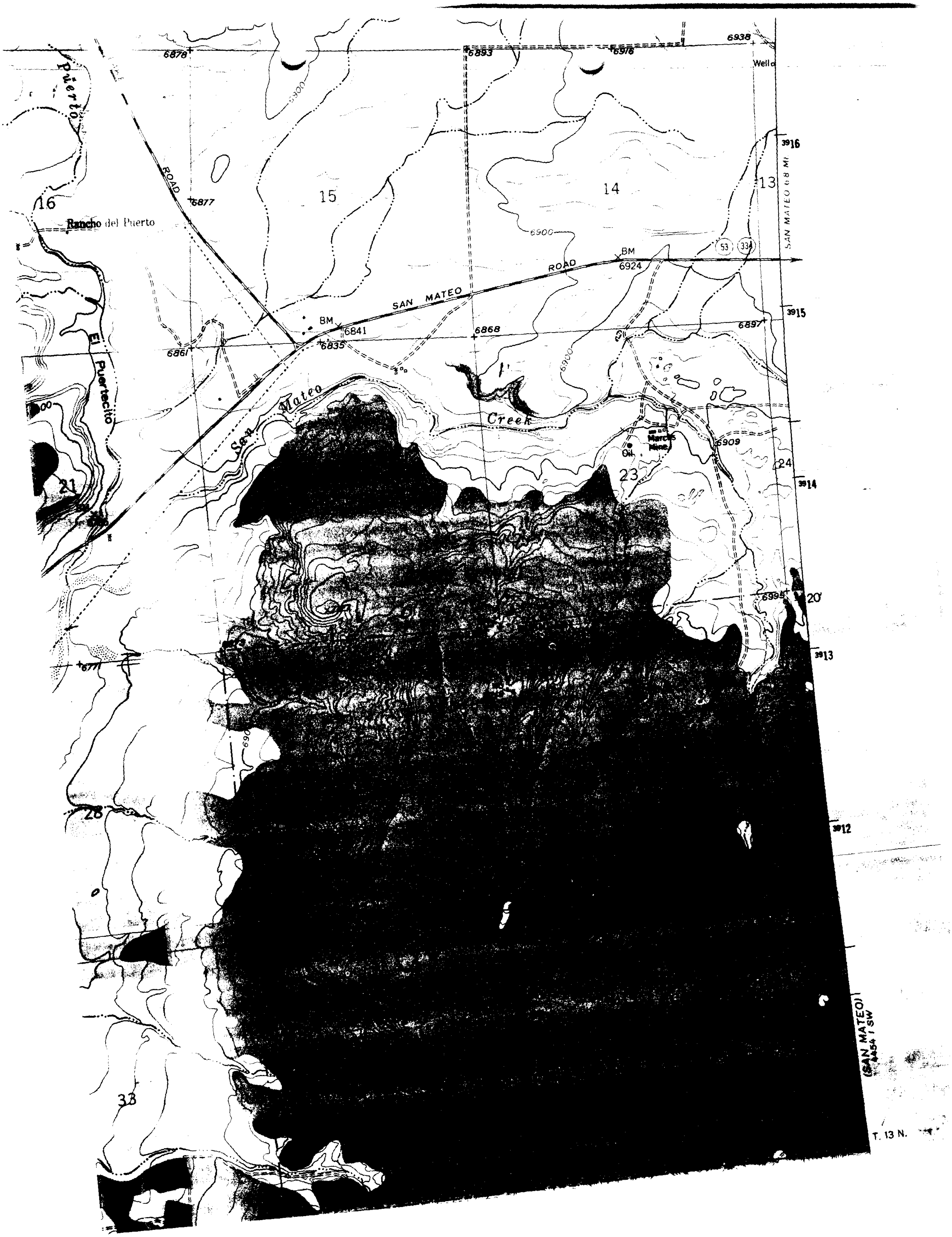
McKINLEY CO
7793
T. 13 N.

Mike:

Map indicates area to be cleared, area in yellow. Gate has AMC lock!

Robert



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El Puertecito
San Mateo
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20'
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28
3912
33
(SAN MATEO)
4454 I SW
T. 13 N.

6/07/93

AML FILE CODE : 93006
7.5 QUAD NAME: Dos Lomas
PROJECT NAME:

RECONNAISSANCE REPORT
SUMMARY PAGE

ABANDONED MINE LAND BUREAU
NEW MEXICO MINING AND MINERALS DIVISION

QUADRANGLE NAME: Dos Lomas, Township 13 North, Range 9 West, Section(s) SW1/4,SW1/4,NE1/4

COUNTY: McKinley

OWNERSHIP: (b) (6) San Mateo, New Mexico

COAL OR NONCOAL?: Uranium

TOTAL NUMBER OF FEATURES OF EACH TYPE:

ADITS: SHAFTS: 1 SUBSIDENCES: 1

OTHER (gob, etc.): large waste pile, magazine box

PERSON WHO WROTE RECONNAISSANCE: Raymond Rodarte

Person(s) doing recon: Raymond Rodarte

Date(s) of recon: April 21, 1993

OTHER GENERAL COMMENTS OR RECOMMENDATIONS: Shaft contains collapsed wooden collar which will have to be removed from inside shaft to prevent bridging. Nearby waste pile contains the required backfill material for both features to be backfilled.
Waste pile material not used will be graded, contoured, covered with suitable topsoil and seeded. All disturbed access roads will also be reclaimed at the satisfaction of the project manager.
Feature #1 shaft measures: 13'w x 13'l x 16'd
Feature #2 subsidence : 21'w x 21'l x 12'd

AML FILE CODE: 93006
7.5 QUAD NAME: Dos Lomas
PROJECT NAME:

1. Legal description including T., R., SECTION AND 7.5′ QUADRANGLE.
   Same as above.

2. Feature type, AML number, and name of mine if known.
   Marcus Mine - Feature #1 shaft
   - Feature #2 subsidence

3. Dimensions, if collapsed put collapsed
   Feature #1 shaft measures: 13′w x 13′l x 16′d
   Feature #2 subsidence hole measures: 49′w x 50′l x 34′d

4. Surface and/or mineral status and ownership. Private, public? If public which agency manages it? Include addresses, phone numbers, and any other information which may be helpful. **If unknown put unknown.**
   Private: (b) (6) [redacted] - San Mateo, New Mexico

5. Commodity mined if known. Uranium

6. Location, a description of how to get to the site, distance from any town, highway, or landmark.
   From Milan, New Mexico near Grants, get off U.S. 66 drive north on highway 53 from Milan approximately 16.5 miles past highway 509, then east for another 1 mile and approximately 1,053 feet south from highway 503.

7. Topographic (8.5"x11") map with site marked.
   Refer to attached map

8. Drawing showing features, gob, waste, archaeological stuff etc.
   Refer to archeological report and attached memos.

9. Recommended closure technique and two alternatives, include availability and source of backfill material.

   Alternative #1:
   Feature #1 shaft will have all timber removed from inside shaft and backfilled with nearby waste pile, 2′-3′ft topsoil mound, furrowed and seeded.
   Feature #2 subsidence hole will be backfilled with nearby waste pile, mounded, furrowed and seeded.

   Alternative #2: Feature 1 & 2 shall be fenced and posted with keep out signs.

10. Wildlife: Elk (Cervus elaphus), Barbary Sheep (Ammotragus lervia), Mule Deer (Odocoileus hemionus), Black Bear (Ursus americanus), Mountain Lion (Felis concolor), Red Fox (Vulpes vulpes), Snowshoe Hare (Lepus

americanus), Cottontail rabbit (Sylfilagus aububoni), jackrabbit (Lepus Californicus) Skunk (Mephitis), Raccoon (Procyon lotor), Badger (Taxidea taxus), Black-tailed Prairie Dog (Cynomys ludovicianus).

11. Proximity of suitable raptor nesting sites - ie.: high cliffs, whitewash. Raptor nesting if any will not be effected.

12. Vegetation consists of juniper (Juniperus monosperma), pinon (Pinus edulis), loco weed (Astragulus spp.), snakeweed (Gutierrezia sarcobatus), sage (Artemisia spp.), mountain mahogany (Cercocarpus spp.), Indian rice grass (Oryzopsis hymenoides), saltbush (Atriplex canescens) and wolfberry (Lycium pallidum).

13. Archaeological/Cultural resources observed.
In process

14. Photographs labeled with soon to be developed AML ID numbers.
Attached to this memo or refer to project manuel.

15. Status of Right of Entry.
Surface ownership and minerals:
(b) (6) [redacted], San Mateo New Mexico.

16. Status of PADS. If it is a coal area with PADS available include the PU and PA numbers. See Randall.

17. Other. Anything you want or feel is important and was not covered above. Publications or reports related to this minesite.
Refer to public meeting held on May 7, 1993 for Grants Uranium Phase 3

UP Date

Recon ID # 54

AML FILE CODE: 94024 1993.06
7.5 QUAD NAME: Dos Lomas
PROJECT NAME: Grants Uranium Phase 3

ORIGINAL

RECONNAISSANCE REPORT
SUMMARY PAGE

ABANDONED MINE LAND BUREAU
NEW MEXICO MINING AND MINERALS DIVISION

QUADRANGLE NAME: Dos Lomas
Township 13 North, Range 9 West, Section(s) SW1/4,SW1/4,NE1/4

COUNTY: McKinley

OWNERSHIP: (b) (6), San Mateo, New Mexico

up date

COAL OR NONCOAL?: Uranium

TOTAL NUMBER OF FEATURES OF EACH TYPE:

ADITS: _____ SHAFTS: 1 SUBSIDENCES: 1

OTHER (gob, etc.): large waste pile, magazine box

PERSON WHO WROTE RECONNAISSANCE: Raymond Rodarte

Person(s) doing recon: Raymond Rodarte

Date(s) of recon: April 21, 1993

OTHER GENERAL COMMENTS OR RECOMMENDATIONS: Shaft contains calapsed wooden collar which will have to be removed from inside shaft to prevent bridging. Nearby wastespile contains the required backfillfill material for both features to be backfilled.
Wastepile material not used will be graded, contoured, covered with suitable topsoil and seeded. All disturbed access roads will also be reclaimed at the satisfaction of the project manager.
#1 shaft measures:13'w x 13'l x 16'd Feature #2 subsidence: 21'w x 21'l x12'd

5/ 92

AML FILE CODE:_____
7.5 QUAD NAME: Dos Lomas
PROJECT NAME: Grants Uranium Phase 3

1. Legal description including T., R., SECTION AND 7.5′ QUADRANGLE.
   Same as above.

2. Feature type, AML number, and name of mine if known.
   Marcus Mine - Feature #1 shaft
   - Feature #2 subsidence

3. Dimensions, if collapsed put collapsed
   Feature #1 shaft measures: 13′w x 13′l x 16′d
   Feature #2 subsidence hole measures: 49′w x 50′l x 34′d

4. Surface and/or mineral status and ownership. Private, public? If public which agency manages it? Include addresses, phone numbers, and any other information which may be helpful. **If unknown put unknown.**
   Private: (b) (6) - San Mateo, New Mexico

5. Commodity mined if known. Uranium

6. Location, a description of how to get to the site, distance from any town, highway, or landmark.
   From Milan, New Mexico near Grants, get off U.S. 66 drive north on highway 53 from Milan approxiamately 16.5 miles past highway 509 east for another 1 mile and approxiamately 1,053 feet south from highway 503.

7. Topographic (8.5"x11") map with site marked.
   Refer to attached map

8. Drawing showing features, gob, waste, archaeological stuff etc.
   Refer to archaeologicl report and attached memos.

9. Recommended closure technique and two alternatives, include availability and source of backfill material.
   Feature #1 shaft will have all timber removed from inside shaft and backfilled with nearby wastepile, 2′-3′ft mound and seeded.
   Feature #2 subsidencedf will be backfilled, mounded and seeded.

10. Wildlife or evidence of observed.
    Elk (Cervus elaphus), Barbary Sheep (Ammotragus lervia), Mule Deer (Odocoileus haemionus), Black Bear (Ursus americanus), Moutain Lion (Felis concolor), Red Fox (Vulpes vulpes), Snowshoe Hare (Lepus americanus), Cottontail rabbit (Sylfilagus aububoni), jackrabbit (Lepus Californicus) Skunk (Mephitis), Raccoon (Procyon lotor), Badger (Taxideataxus), Black-tailed Prairie Dog (Cynomys ludovicianus).

11. Proximity of suitable raptor nesting sites - ie.: high cliffs, whitewash. Raptor nesting if any will not be effected.

12. Vegetation consists of juniper (Juniperus monosperma), pinon (Pinus edulis), loco weed (Astragulus spp.), snakeweed (Gutierrezia sarcobatus), sage (Artemisia spp.), mountain mahogany (Cercocarpus spp.), Indian rice grass (Oryzopsis hymenoides), saltbush (Atriplex canescens) and wolfberry (Lycium pallidum).

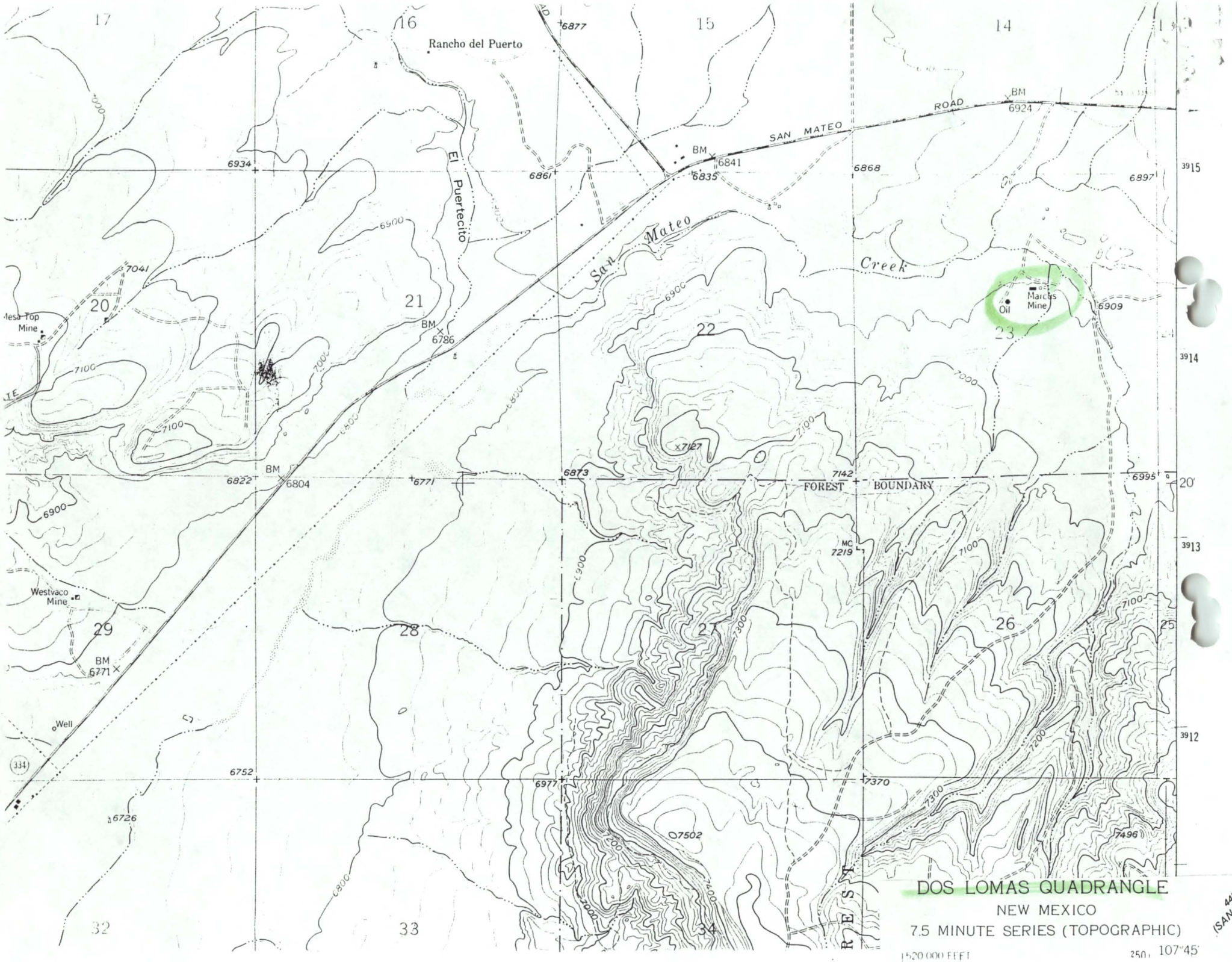
13. Archaeological/Cultural resources observed.
In process

14. Photographs labeled with soon to be developed AML ID numbers.
Attached to this memo or refer to project manuel.

15. Status of Right of Entry.
Surface ownership and minerals:
(b) (6) [redacted], San Mateo New Mexico.

16. Status of PADS. See Randall.

17. Other. Refer to public meeting held on May 7, 1993 for Grants Uranium Phase 3



DOS LOMAS QUADRANGLE

NEW MEXICO

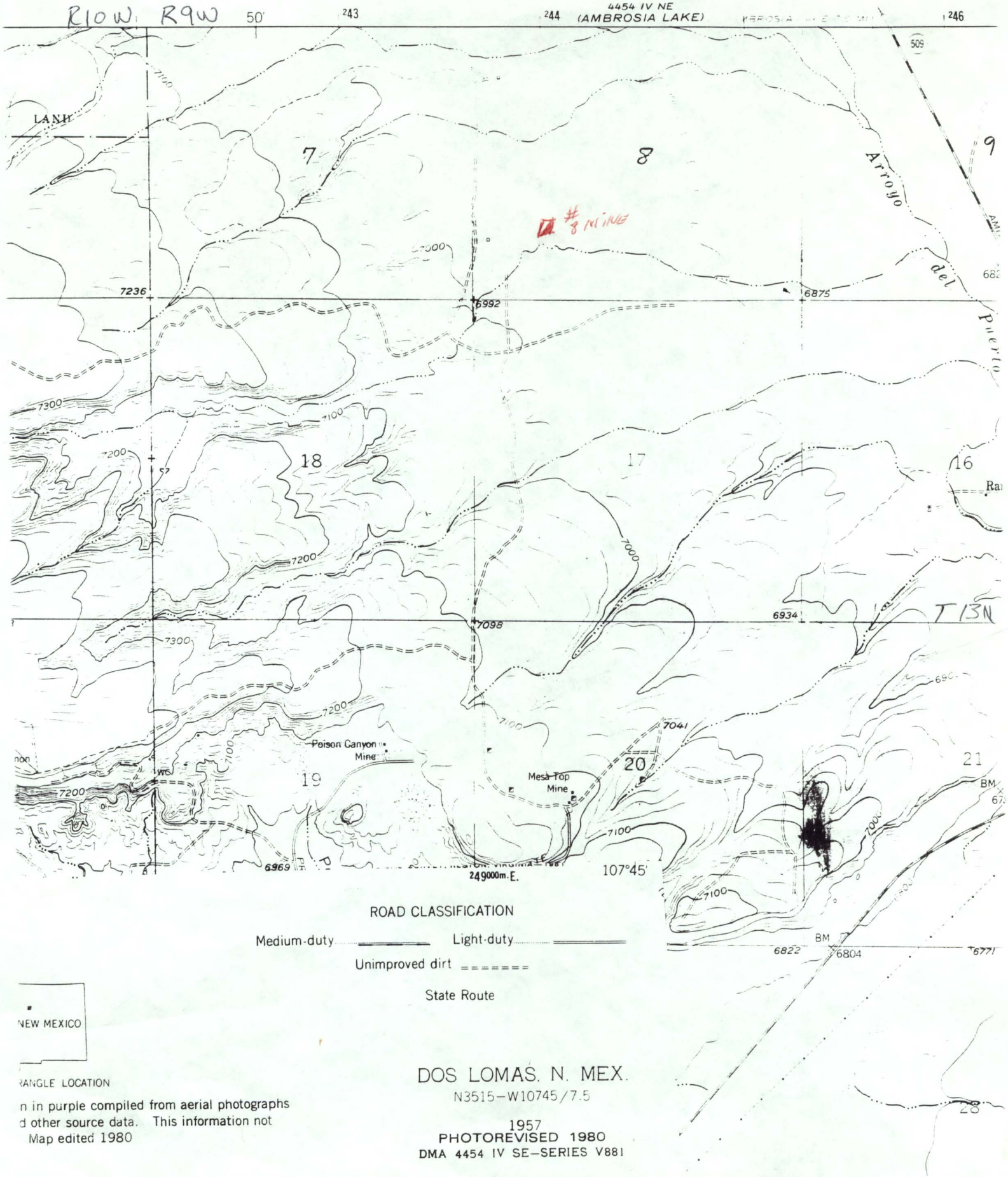
7.5 MINUTE SERIES (TOPOGRAPHIC)

1:20 000 FEET

250 107°45'

4454 (SAN L

URANIUM MINE
AMBROSIA LAKE



ROAD CLASSIFICATION

Medium-duty ——— Light-duty ———

Unimproved dirt = = = = = = =

State Route

NEW MEXICO

RANGLE LOCATION

n in purple compiled from aerial photographs
d other source data. This information not
Map edited 1980

DOS LOMAS, N. MEX.

N3515—W10745/7.5

1957
PHOTOREVISED 1980
DMA 4454 IV SE—SERIES V881

Quad Name: *San Mateo*
Township: *13 north*
Range: *8 West*
Section: *NW1/4, SE1/4, NE1/4, Sec. 30*

Recon ID #: 66
AML File Code #: 92027

RECONNAISSANCE REPORT XEROX COPY FORM

ABANDONED MINE LAND PROGRAM
New Mexico Mining And Minerals Division

Please Note:

Original Reconnaissance Report must remain in the Reconnaissance original file, copies may be made to file in the Project file "**a**" Background Information – includes inventory sheets, (PADS), preliminary site inspection reports, and, in general, all correspondence up to the time that IFB is mailed (except what should be placed in the EA, IFB, Pre-Construction Contracts, Public Meetings and Information, and Realty files)

Please write in name of Project in which copies are filed at:

Project Name	**Project ID #**
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
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_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____

P = Pending

DO NOT REMOVE *THIS FORM FROM REC ONNAISSANCE FILE, THANK YOU.*

11/2/92

AML FILE CODE: 92027
7.5 QUAD NAME: San Mateo, NM
PROJECT NAME:

RECONNAISSANCE REPORT
SUMMARY PAGE

ABANDONED MINE LAND BUREAU
NEW MEXICO MINING AND MINERALS DIVISION

QUADRANGLE NAME: San Mateo, N. Mex

Township 13 North, Range 8 West, Section(s) NW1/4, SE1/4, NE1/4, Sec. 30

COUNTY: Cibola

OWNERSHIP: U.S. Forest Service, Private, Homestake Mining Company

COAL OR NONCOAL?: Uranium

TOTAL NUMBER OF FEATURES OF EACH TYPE:

ADITS: _____ SHAFTS: 3 _____ SUBSIDENCES: _____

OTHER (gob, etc.): (2) Uranium waste piles, approximately 78 exploration drill holes, 3 settling ponds,

PERSON WHO WROTE RECONNAISSANCE: Raymond Rodarte

Person(s) doing recon: Raymond Rodarte, Rick Koehler, Mike DuMond

Date(s) of recon: 3/16/89, 4/11/90,

OTHER GENERAL COMMENTS OR RECOMMENDATIONS:
Refer to attached memo's which identify high concentrations of uranium, vanadium, molybdenum, selenium and lead. Also refer to background information.

(Note: This page must be filled out for every recon report and should be the first page (cover page) of the report. A recon checklist follows this cover page, all information of the checklist should be reported for each feature located and be in the same sequence as the checklist. See Randall or Homer if you have any questions.)

11/2/92

AML FILE CODE: 92027
7.5 QUAD NAME: San Mateo, NM
PROJECT NAME:

Reconnaissance checklists - reconnaissance reports should contain as much of the information below as possible AND SHOULD BE IN THE SAME SEQUENCE AS BELOW. All the information should be filled out for each feature. If it is repetitive (SAME AS PAGE 1 OF YOUR REPORT) put SAME. It is also important that the **QUAD NAME AND PROJECT NAME** be at the top as Geraldine will need to find these items quickly for filing purposes.

1. Legal description: Same as above.

2. Feature type, AML number, and name of mine if known.

   San Mateo Mine, (3) shafts, (3) settling ponds, (2) leach pads, 76 exploration drill holes.

3. Dimensions:

   Feature #1 Main shaft sunk to a depth of 1,057 ft, the shaft was divided into three compartments, each supported by wooden braces. The shaft is now closed on top and covered with a mound of dirt.

   Feature #2 Exposed mine Waste Dump - Feature #2 contains the largest of two mine waste dumps, approximately 30% of the mined waste rock is deposited on surface.

   Feature #3 The second pile was constructed approximately in 1974 and consists of a large heap leach pad containing an estimated 13,000 yards of material.

   A survey of gamma activity was made by Forest Service personnel in May 1989 for both mine spoils and undisturbed areas of the mine site. Background (visually undisturbed uncontaminated area) registered 8-25 micro Roentgen/hour CUR/hour. Settling pond basins registered 100-450 UR/hr. Average reading for relatively undisturbed and unerioded spoils was 200 UR/hr., wherever active erosion was accruing the reading was generally 250-400 UR/hr. Readings typically fell to background levels within 10-30 feet away from visible spoil material there were no apparent undisturbed areas which registered significantly above background levels.

   Feature #4: ventilation shaft - contain a steel cap - data states that the ventilation shaft was drilled to a depth of 1,051 feet.

   Feature #5: ventilation shaft - contain a steel cap - data states that the ventilation shaft was drilled to a depth of 1,051 feet.

   Feature #6 & #7 Include two settling ponds, both ponds were constructed of mine waste rock, no lining or basalt is visible, even though waste rock from the Brushy Basin Shale contains bentonite which may have resulted impervious.

4. Surface and/or mineral status and ownership. Private, public?

   If public which agency manages it? Include addresses, phone numbers, and any other information which may be helpful. **If unknown put unknown.** U.S. Forest Service, Cibola, Homestake Mining Company

5. Commodity mined if known. Uranium

6. Location, a description of how to get to the site, distance from any town, highway, or landmark.

   From Grants, N. M., drive west 3 miles to Milan, N.M., then drive 10 miles north on U.S. highway 605, and 1 mile northeast Jay's Liquor, the waste piles can be seen from the highway just 1/2 mile past Marquez Ranch.

7. Topographic (8.5"x11") map with site marked.
   Refer to attached map.

8. Drawing showing features, gob, waste, archaeological stuff etc.
   Refer to attached information.

9. Recommended closure technique and two alternatives, include availability and source of backfill material.

   Grade and contour the waste dump piles and cover with a specified depth of topsoil and seed with native grasses.

   Backfill main shaft and ventilation shafts with suitable backfill material. (Backfill if all reserves of uranium have been mined.)

   Grade the two settling ponds to a 3:1 slope, cover with a specified depth of topsoil and seed with native grasess.

10. Wildlife or evidence of observed. Elk(Cervus elaphus), Barbary Sheep(Ammotragus lervia), Mule Deer(Odocoileus hemionus), Black Bear(Ursus americanus), Mountain Lion(Felis concolor), Red Fox (Vulpes vulpes), Snowshoe Hare(Lepus americanus), Cottontail rabbit(Sylfilagus auduboni), jackrabbit(Lepus Californicus) Skunk(Mephitis), Raccon(Procyon lotor), Badger(Taxideataxus), Black-tailed Prairie Dog(Cynomys ludovicianus).

11. Proximity of suitable raptor nesting sites - ie.: high cliffs, whitewash. No raptor's present near the site.

12. Vegetation types present. Pinon-Juniper etc.

13. Archaeological/Cultural resources observed.
    Refer to archaeological information on by Forest Service

14. Photographs labeled with soon to be developed AML ID numbers.
    Photo's filed on project binder or files.

15. Status of Right of Entry.
    Private property for access, Forest Service -Surface and Minerals BLM or Homestake Mining Company.

16. Status of PADS. If it is a coal area with PADS available include the PU and PA numbers. See Randall.

17. Other. Anything you want or feel is important and was not covered above. Publications or reports related to this minesite.

The conditions of the underground workingsare unknown. Mine maps held by U.S.F.S. indicate that about 66 acres were affected as being undermined. Three levels comprised the levels of development. The original mining claims were filed in 1955. Initial development was by Rare Metals Corporation (shaft sinking began in 1957 and completed in 1969) Rare Metals Corporation with El Paso Natural Gas Corporation operated the mine from 1957 to 1962: El Paso natural Gas Corporation assume operations, 1962-1964. the mine was sold to United Unclear in 1964 and mining continued with subsidiary Teton Exploration Corporation until 1971. Homestake Mining Company continued the mining claim and last visit still held it.

APPENDIX 7 - HYDROGEOLOGY MAP

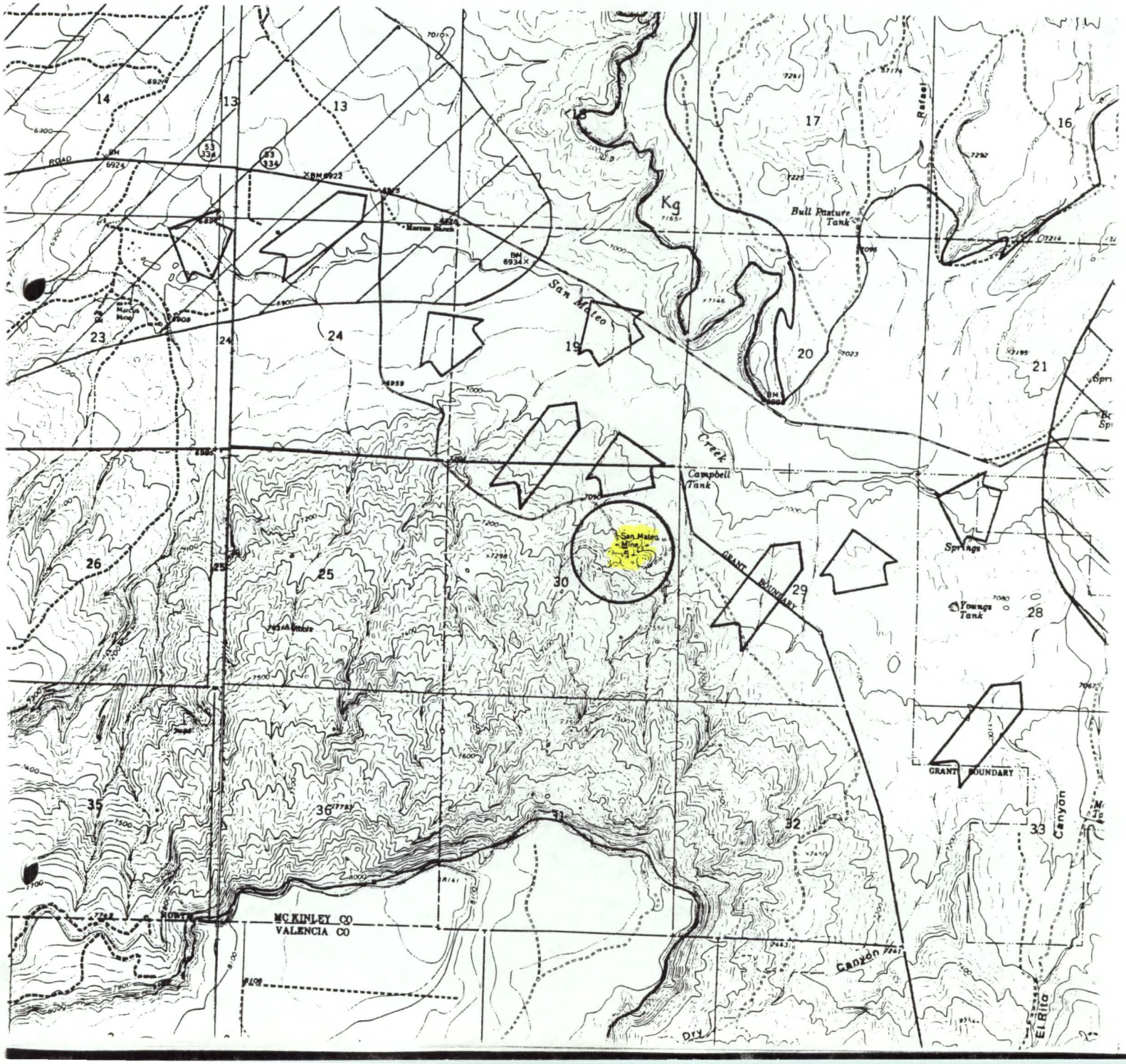
Base Map: San Mateo and Dos Lomas USGS 7.5" topographic quadrangles (reduced)
Map Scale: 1 inch = 3,000 feet

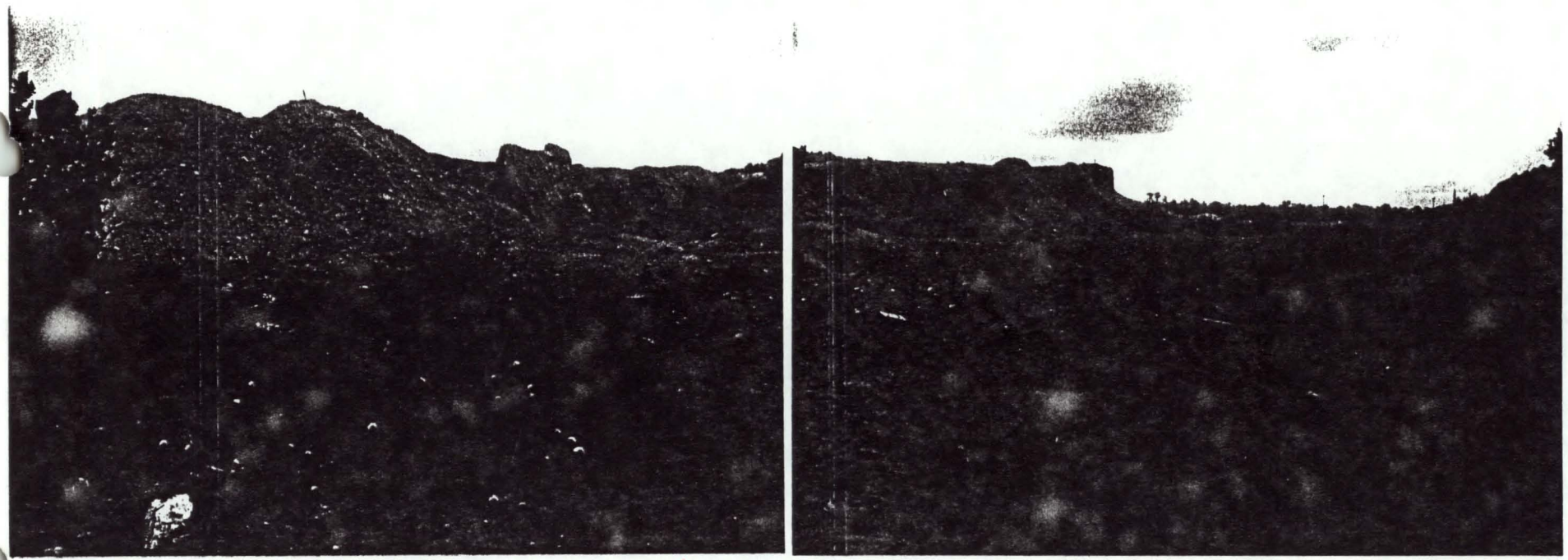
///// Areas where surface and alluvial waters mix with Westwater Canyon aquifer waters; potential recharge zone for Westwater Canyon

\\\\\ Areas where ground water is produced from Menefee Formation and Point Lookout Sandstone (not affected by the San Mateo Mine)

Flow of deep ground water in Westwater Canyon and Poison Canyon aquifers into the San Juan Basin (500-1500 feet deep at mine site)

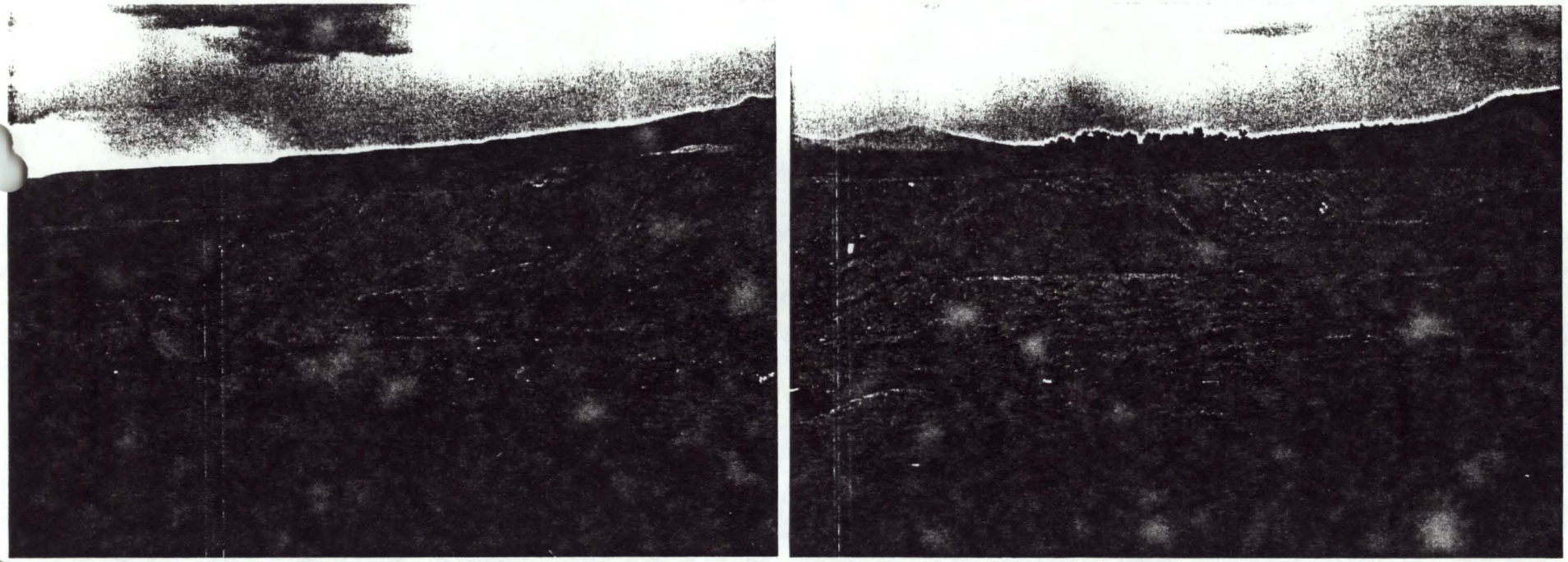
Flow of surface and alluvial water into and along San Mateo Creek



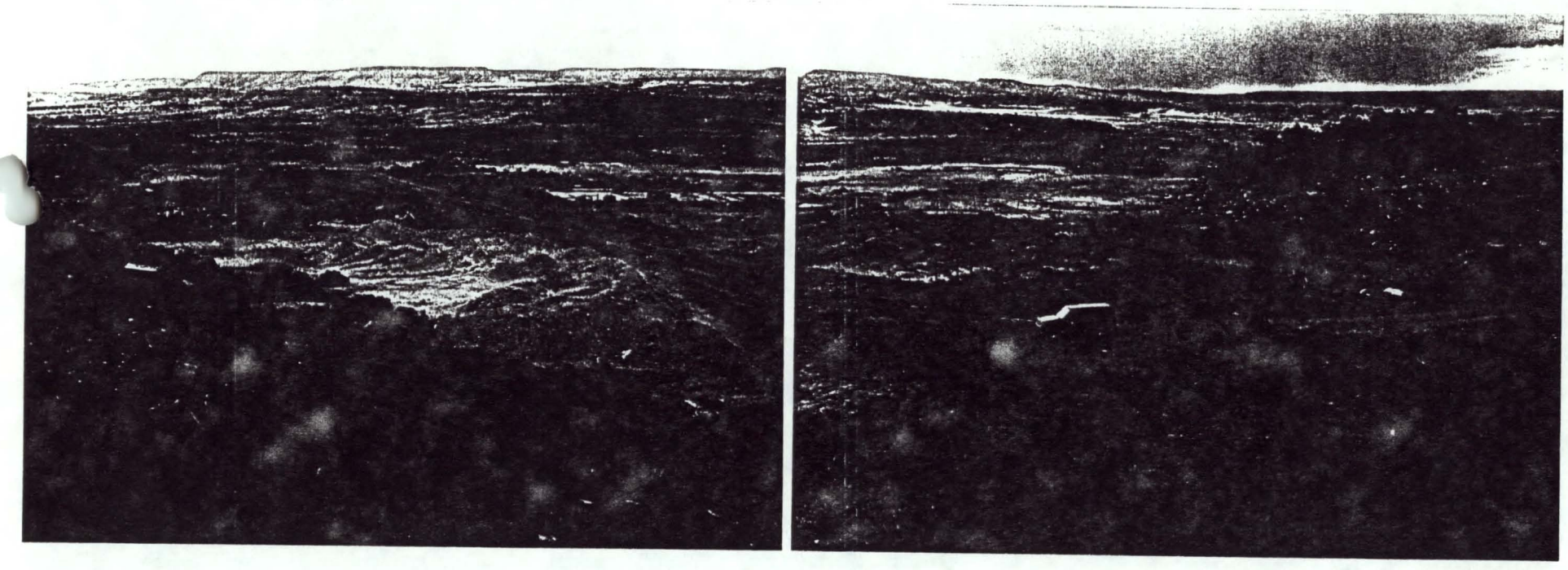


Better Photo's on File!

View to south and southwest from Camera Point 5 (CP-5). Left to right - approximate limit of mine waste dump, showing erosion of face of dump.



View to southeast and south from Camera Point 4 (CP-4). Left to right - approximate limit of mine waste dump, showing erosion of face of dump.

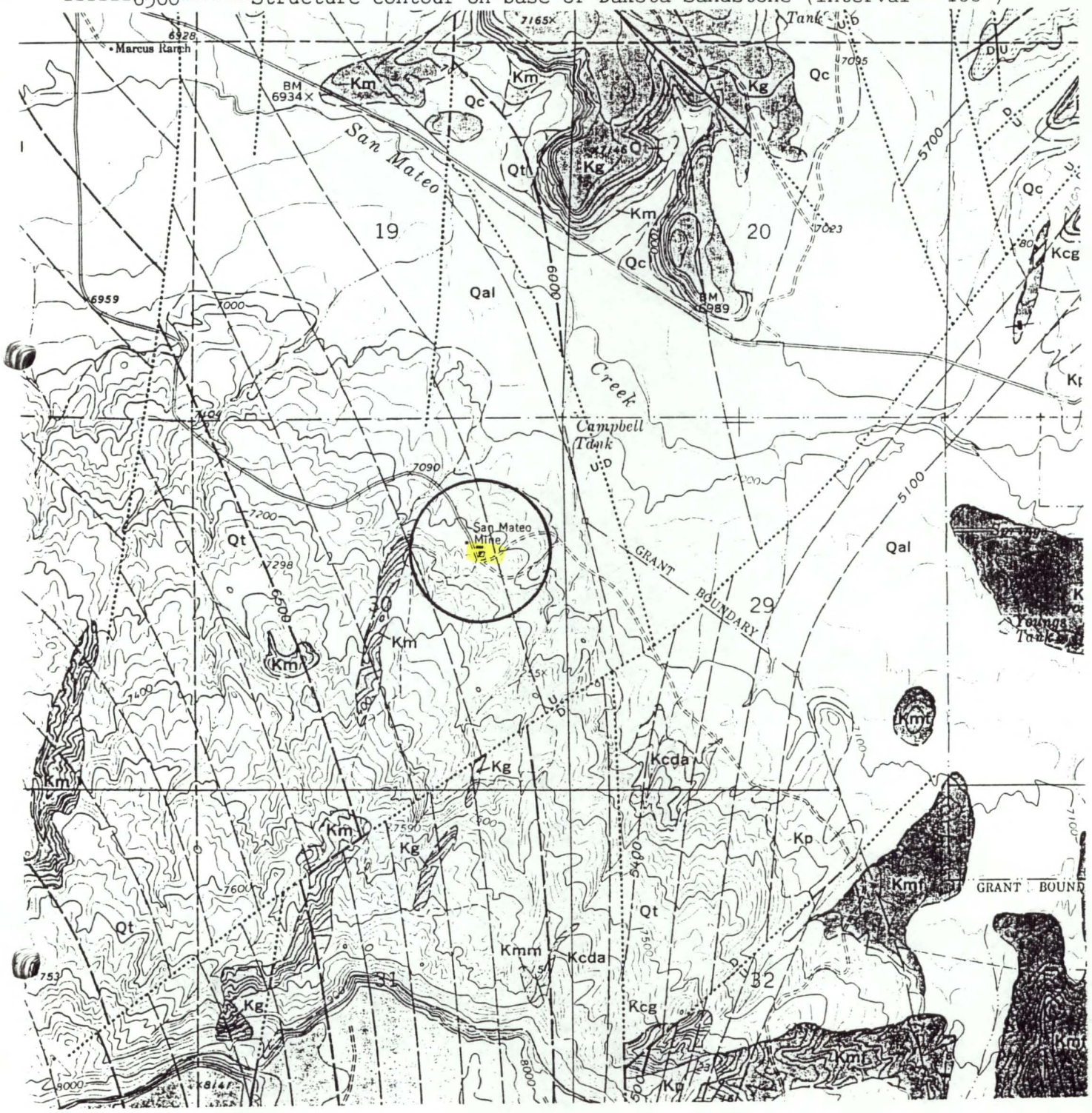


View to north-northeast from Camera Point 1 (CP-1). Overview of main shaft and surface workings (see Appendix 5): Background, left to right - approximate limit of mine waste dump (leach pads and settling ponds not visible); middle ground, left - debris and warehouse site; middle ground, center - machine shop foundation and fenced enclosure around main shaft; foreground, left - upper mine waste dump. Mine access road crosses from upper left to middle right (northwest to southeast).

APPENDIX 4 - LOCAL GEOLOGY

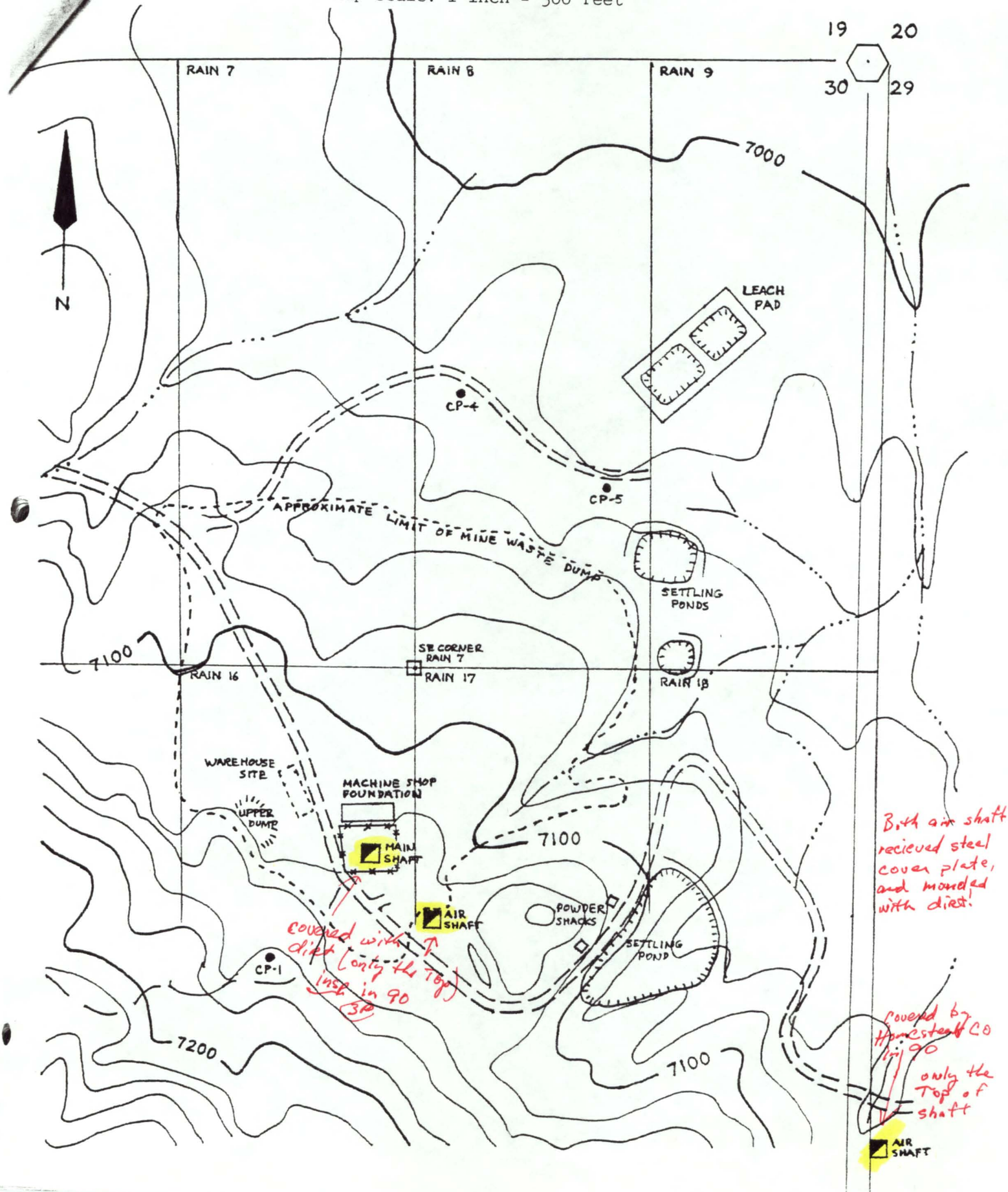
antos, 1966 - Map Scale: 1 inch = 2,000 feet - Contour interval = 20 feet

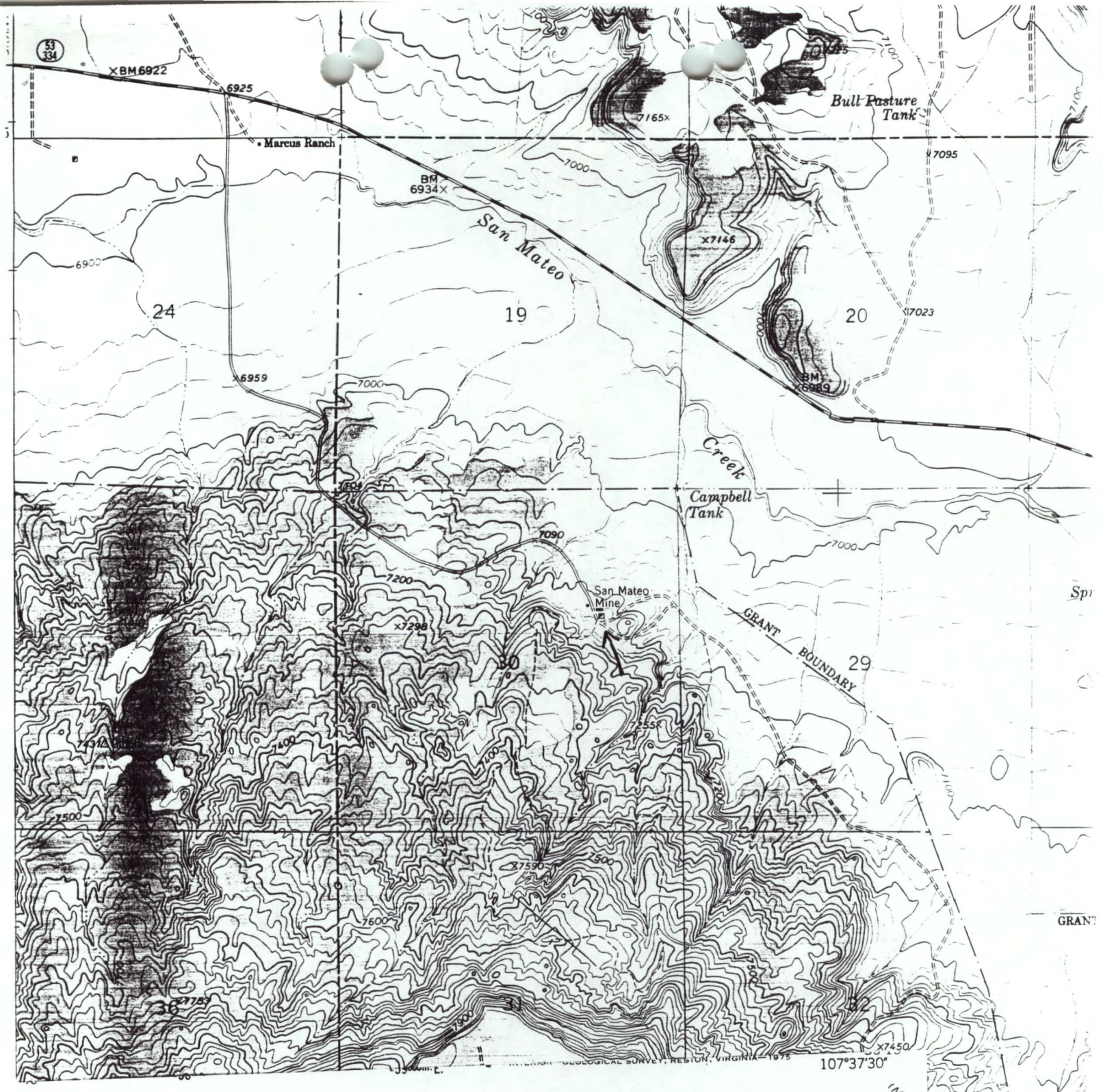
t: Talus and landslide blocks
Qal: Alluvial and eolian deposits
Kp: Point Lookout Sandstone
Kmf: Menefee Formation - interbedded siltstone and sandstone
Kcda: Dalton Sandstone Member of Crevasse Canyon Formation
Kmm: Mulatto Tongue of Crevasse Canyon Formation - shale and sandstone
Kg: Gallup Sandstone
Km: Mancos Shale - shale and minor thin sandstones
.....U.....Fault (concealed) showing relative motion
D
------6500------Structure contour on base of Dakota Sandstone (interval = 100')



APPENDIX 5 - SURFACE AREA MAP

Base Map: USGS San Mateo 7.5" topographic quadrangle (enlarged)
Map Scale: 1 inch = 300 feet





ROAD CLASSIFICATION

Medium-duty ——— Light-duty ———

Unimproved dirt - - - - - -

State Route

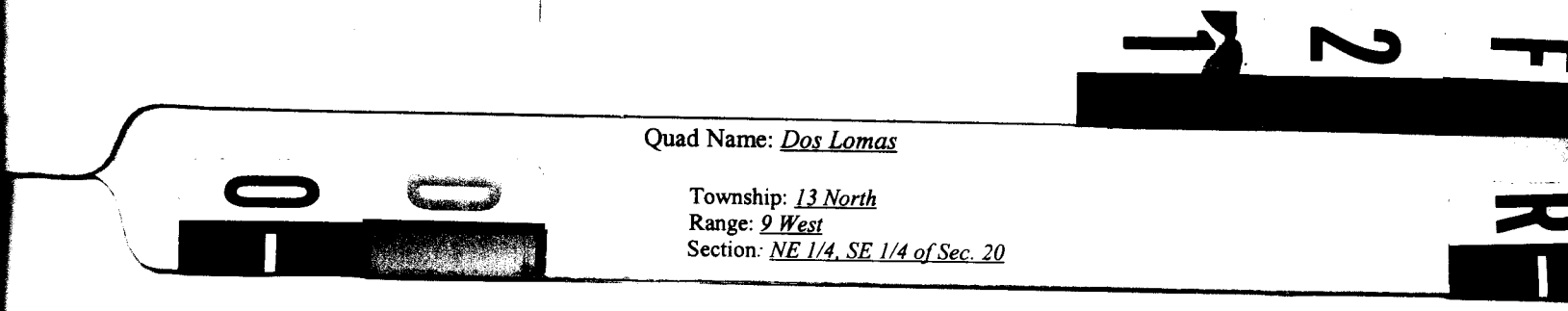
QUADRANGLE LOCATION

SAN MATEO, N. MEX.

N3515-W10737.5/7.5

1963

AMS 4454 I SW-SERIES V881



Quad Name: *Dos Lomas*

Township: *13 North*
Range: *9 West*
Section: *NE 1/4, SE 1/4 of Sec. 20*

Room DS #314

AML File Code # 1998.06

RECONNAISSANCE REPORT XEROX COPY FORM

ABANDONED MINE LAND PROGRAM

New Mexico Mining And Minerals Division

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Project Name	**Project ID #**

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8/11/98

1998.06 Record #314

AML FILE CODE: 98

7.5 QUAD NAME: Dos Lomas, N.Mex.

PROJECT NAME: _____

RECONNAISSANCE REPORT

SUMMARY PAGE

ABANDONED MINE LAND BUREAU
NEW MEXICO MINING AND MINERALS DIVISION

QUADRANGLE: Dos Lomas, New Mexico

LEGAL DESCRIPTION: T.13 N., R.9 W, NE1/4,SE1/4 of Section 20

COUNTY: McKinley

OWNERSHIP: Bureau of Land Managment

COAL OR NONCOAL: Uranium

TOTAL NUMBER OF FEATURES OF EACH TYPE:

ADIT: 1 (Decline) SHAFTS: _____ SUBSIDENCES:

OTHER (gob, etc.): waste piles near adit

P+RSON WHO WROTE RECONNAISSANCE: Raymond Rodarte

Person(s) doing recon: Raymond Rodarte

Date(s) of recon: 8/5/98

OTHER GENERAL COMMENTS OR RECOMMENDATIONS: Open decline adit, may connect with other vent shafts or drill holes. The adit can be backfilled with the nearby material. Material can be monitored to find out the higher level of ore which should be used first on the backfilling phase. Engineer in charge of backfill may want to use

suitable compacting material on the last 3 feet of fill material.

1. Legal description: Same

2. Feature type, AML number, and name of mine if known.

3. Dimensions, if collapsed put collapsed
   Open decline adit measures 10'l x 9'h x length ?
4. Surface and/or mineral status and ownership.

5. Commodity mined if known.Uranium

6. Location, a description of how to get to the site, distance from any town, highway, or landmark.Take the State Hihway 53 to Ambrosa Lake, New Mexico, turn left at Jay's Liquar, drive approxiamately 100 yards and to the left is a green gate into Section 16 and that leads to the Rancho Del Puerto Ranch House, drive past the ranch house approximately 200 yards and take a left into the rock outcrop, drive up the hill going southeast about 1 mile, an old diesal truck is abandoned just right of the entrance to the decline and the Dog Mine is west of the decline.

7. Topographic (8.5"x11") map with site marked.
   On file.
8. Drawing showing features, gob, waste, archaeological stuff etc.
   On file with Arcaeological Report.
9. Recommended closure technique: Backfill with nearby material.

10. Wildlife or evidence of observed. Elk or Wapiti (Cervus elaphus), Mule Deer (Odocoileus hemionus), Black Bear (Ursus americanus), Mountain lion (Felis concolor), Red Fox (Vulpes vulpes), Gray Fox (Urocyon dinereoargenteus), Bob Cat (Lynx rufus), Coyote (Canis latrans), Turkey (Meleagris gallopavo), Cottontail rabbit (Sylfilagus auduboni), Jackrabbit (Lepus Californicus), Raccoon (Procyon lotor), Badger (Taxidea taxus), Least Chipmunk (Eutamias minimus), Cliff Chipmunk (Eutamias dorsalis), Red Fox (Vulpes vulpes), Gray Fox (Urocyon dinereoargenteus), Bob Cat (Lynx rufus), Coyote (Canis latrans), Turkey (Meleagris gallopavo), Skunk (Mephitis), Raccoon (Procyon lotor), Badger (Taxidea taxus),.

11. Proximity of suitable raptor nesting sites - No raptors sited!

12. Vegetation types present. Pinon Pine (Pinus edulis), Utah Juniper(Juniperus osteosperma), Pondarosa Pine(Pinus edulis) Blue Grama(Bouteloua gracilis), Alfalfa Rhizoma (Medicago sativa), Western wheatgrass (Agropyron smithii).

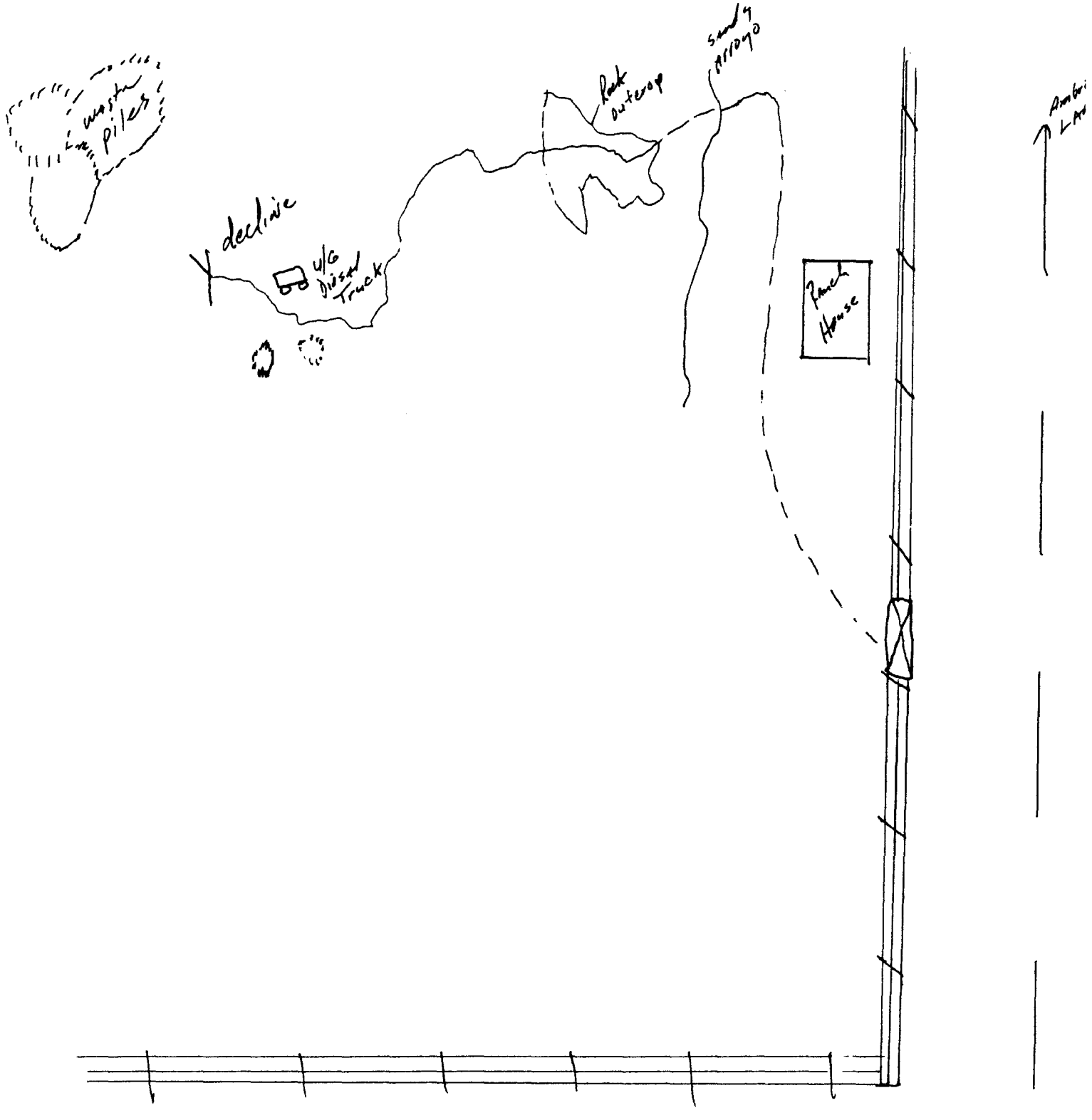
13. Archaeological/Cultural resources observed.

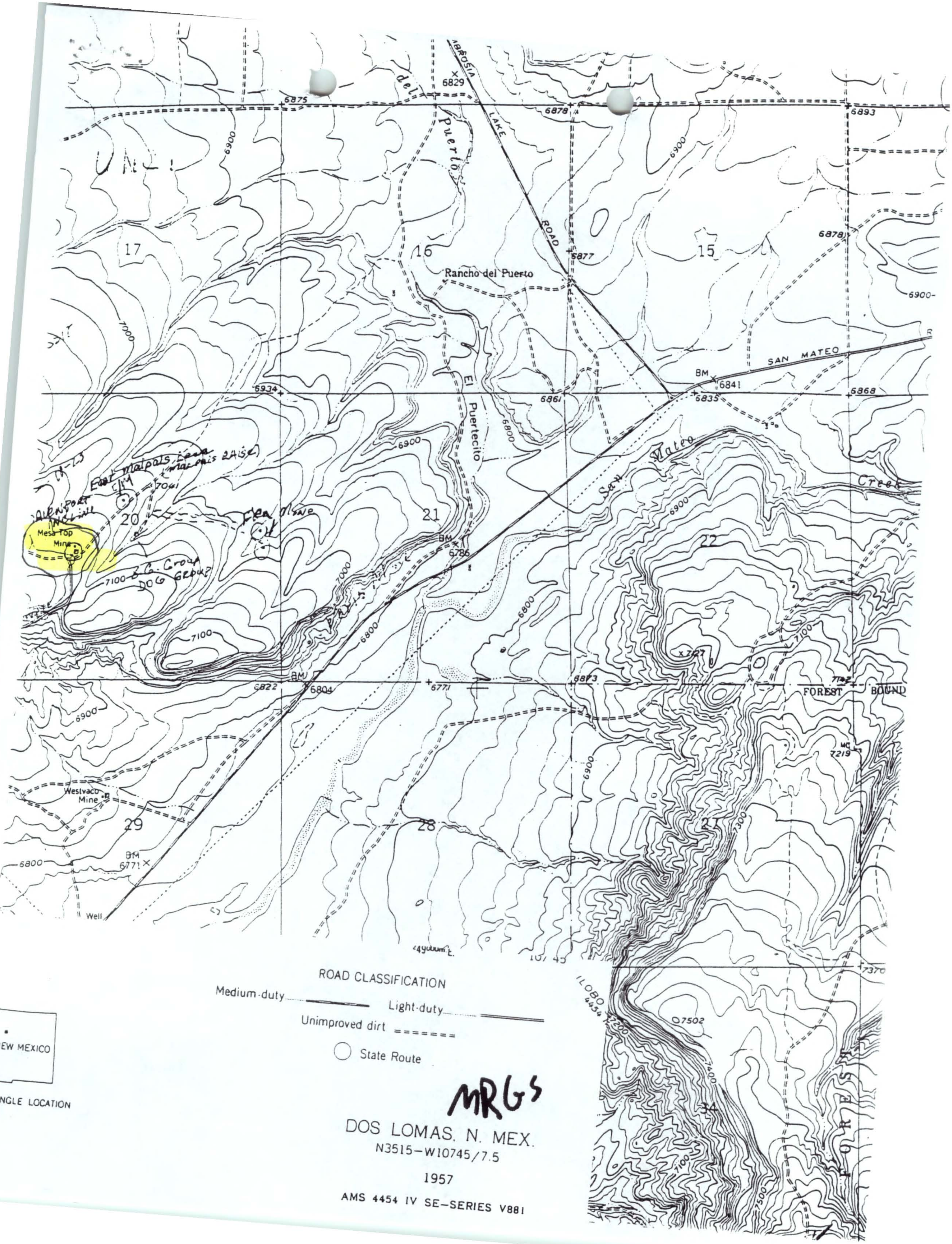
14. Photographs labeled with soon to be developed AML ID numbers. Arch, report.

15. Status of Right of Entry. BLM

16. Status of PADS. If it is a coal area with PADS available include the PU and PA numbers. See Randall.

17. Other.


waste piles
decline
u/g Diesel Truck
Rock outcrop
sandy Arroyo
Powder House



ROAD CLASSIFICATION

Medium-duty .... Light-duty ....

Unimproved dirt ======

State Route

NEW MEXICO

QUADRANGLE LOCATION

MRGS

DOS LOMAS, N. MEX.

N3515—W10745/7.5

1957

AMS 4454 IV SE—SERIES V881

Quad Name: *Dos Lomas*

Township: *13 North*
Range: *9 West*
Section: *18, 19, 20, 30*

Reason #: 206

AML File Code: 2002.03

RECONNAISSANCE REPORT XEROX COPY FORM

ABANDONED MINE LAND PROGRAM

New Mexico Mining And Minerals Division

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Project Name	**Project ID #**
Grants Uranium Ph II	EMNRD-MMD-1992-05.0

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Rev.: 3/1/00

AML FILE CODE: 02003

7.5 QUAD NAME: Dos Lomas. N. Mex.

ORIGINAL

PROJECT NAME: Grants Uranium Phase 2

Post Insp.
1st Recon Date

RECONNAISSANCE REPORT
SUMMARY PAGE

ABANDONED MINE LAND BUREAU
New Mexico Mining and Minerals Division

QUADRANGEL NAME: Dos Lomas, N. Mex

TOWNSHIP: 13 North **RANGE:** 9 west

SECTION(s) 19,20,30 **COUNTY:** McKinley

OWNERSHIP: BLM

COAL or NONCOAL: Non-Coal

TOTAL NUMBER OF FEATURES OF EACH TYPE:

ADITS: 2 SHAFTS: 5 SUBSIDENCES: 1

OTHER (gob, etc.): Large incline

PERSON WHO WROTE RECONNAISSANCE: Raymond Rodarte

PERSON(S) DOING RECON: Raymond Rodarte

DATE(S) OF RECON: 1/31/02

OTHER GENERAL COMMENTS OR RECOMMENDATIONS: Barbara J shafts continues to receive some subsidence. The shaft is piping 4 ft. in depth and 1 ft. wide. I recommend that we compact the material that is in place on top of the shaft and complete backfill with rock material.

(Note: This page must be filled out for every recon report and should be the first page (cover page) of the report. A recon checklist follows this cover page, all information of the checklist should be reported for each feature located and be in the same sequence as the checklist. Contact Homer Milford at (505) 476-3425 if you have any questions)

Rev.: 3/1/00

AML FILE COD

7.5 QUAD NAME: Dos Lomas. N. Mex.

PROJECT NAME: Grants Uranium Phase 2

Reconnaissance checklists – reconnaissance reports should contain as much of the information below as possible AND SHOULD BE IN THE SAME SEQUENCE AS BELOW. All the information should be filled out for each feature. If it is repetitive (SAME AS PAGE 1 OF YOUR REPORT) write SAME. It is also important that the **QUAD NAME AND PROJECT NAME** be filled out for filing purposes.

1. Legal description including T., R., SECTION and 7.5' QUADRANGLE.
   T.13N. R9W. Section 19,20,30
2. Feature type, AML number, and name of mine if known.
   Barbara J. # 1
3. Dimensions: Subsidence measures approximately: 1'w x 1' to 2 ' x 4' d
4. Surface and/or mineral status and ownership. BLM

5. Commodity mined if known. Uranium Ore

6. Location, a description of how to get to the site, distance from any town, highway, or landmark. From Milan, New Mexico take the road to Ambrosia Lake, N. Mex. Drive approximately 5 miles northwest, turn left at Haystack Rd. and drive .4 miles, take the next dirt road to the right and the shaft is about 100 yards to the left of the road leading to the large rock outcrop and cattle holding pond.

7. Topographic (8.5"x11") map with site marked.

8. Drawing showing features, gob, waste, archaeological stuff etc.

9. Recommended closure technique: Compact material before backfilling and cap with rock material.

✓10. Wildlife or evidence of observed. None

11. Proximity of suitable raptor nesting sites – ie.: high cliffs, whitewash.

✓12. Vegetation types present. Pinon-Juniper etc.

13. Archaeological/Cultural resources observed.

14. Photographs labeled with soon to be developed AML ID numbers.

15. Status of Right of Entry.

16. Status of PADS. If it is a coal area with PADS available include the PU and PA numbers. See Randall.

17. Other: We could put out a seeding contract for the work that was not completed and also backfill the subsidence on Barbara J. #1 Mine.

February 5, 2002

MEMORANDUM

To: Grants Phase 2 Safeguard Project File

From: Raymond Rodarte, Reclamation Spec. 3

Subject: Post-Construction Inspection -35067

On January 31, 2002 I Raymond Rodarte, completed a post-construction inspection of the abandoned mines that were reclaimed in May 3, 1993. The project consisted of backfilling 5 open shafts, 2 small adits and 1 large incline open pit mine. The legal description for this mines are: T.13N. R9W. Sections 19,20, and 30. During this inspection I came across a couple inches of snow and a bit of ice on the roads. There was one site that will need maintenance work in the spring, which is the Barbara J #1. The backfill material has subsided approximately 4 feet in depth and 2 feet wide. It has only been 5 months that we completed a maintenance contract and the shaft is continuing to open up. For the next maintenance contract I recommend that we use rock material to backfill. While on my inspection I came across a few arroyos that have continued to erode near shafts that were backfilled. It would be wise to divert the runoff away from the shafts to eliminate future piping of surface runoff. I would also think that we could include a seeding contract for the Piedra Triste mine which includes a few acres that were not seeded in 1993.

Recon ID #: 308
AML File Code #: 1992.37

RECONNAISSANCE REPORT XEROX COPY FORM

ABANDONED MINE LAND PROGRAM
New Mexico Mining And Minerals Division

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Project Name	**Project ID #**
Grants Uranium Ph. II	EMNRD-MMD- 1992-05
	EMNRD-MMD-
	EMNRD-MMD-
	EMNRD-MMD-
	EMNRD-MMD-
	EMNRD-MMD-
	EMNRD-MMD-
	EMNRD-MMD-
	EMNRD-MMD-

P = Pending

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ORIGINAL

Recon ID # 308
AML File Code. 199237

March 30, 1992

MEMORANDUM

To: Grants Phase 2 Project File

From: Raymond Rodarte, Reclamation Spec.

Subject: Follow-up reconnaissance and Engineering Inspection
T. 13 N., R. 9 W., Sec. 18, 20, and 30

On March 25, 1992 John Kretzman (Project Engineer) and myself drove to Ambrosia Lake, New Mexico to follow-up on proceeding with the reclamation of (6) open uranium mines.

The names are as follow: Beacon Hill Gossett Mine (Sec. 18), Beacon Hill Mine, East Malpais Mine and the Flea Mine (Sec. 20), Barbara J #1, #2, #3 on Section 30.

Projected plan for Barbara J #2 mine include: demolition of the steel headframe, which is approximately 70'h x 60'l, bottom measures 34'l x 24'w, the cross steel beams will be cut off where attached and the longer steel beams will be stockpiled on site. After the Contractor has completed demolition of the steel head frame, they will proceed in removing a steel cap that is welded in place, covering the shaft.

Once the cover is removed, the Contractor will begin backfilling with waste pile material that is on the north and west side of the shaft. If the contractor runs out of material they may use the south stock pile, which is approximately 75 yds from Barbara J #2 mine.

A 5 foot mound of backfill will be left over the shaft for any future subsidence and for evidence of location of shaft.
This feature measures: 5'w x 8'-5"L x 460'd.

Projected plan for Barbara J #1 mine include: demolition of the steel headframe, which is approximately 40' feet in height, the headframe will be broken down by cutting the cross steel beams, dismantling the bucket and piling all the steel beams on site.

Once the headframe is dismantled, all steel will be stacked on site, the Contractor will then remove the steel and board cover which covers the vertical shaft.

Backfill material for this shaft will be hauled from the south waste pile located at Barbara J #3 mine.

Barbara J #1 shaft measures 47'w x 9'1 x 300'd.

Projected plan for Barbara J #3 mine include: fence removal and steel post surrounding the shaft. The shaft measures 7'w x 7'1 x 300'.

The mine also includes (4) ventilation shafts, 2 shafts that are 3' in diameter and 2 shafts that are 1' in diameter. All shafts measure in depth approximately 435 feet in depth.

The Contractor will be backfilling the main shaft with waste material that surrounds the shaft on the south side of the shaft, leaving a 5' mound of dirt over the backfilled shaft to compensate for future subsidence.

The other (4) ventilation holes, contain a steel casing lining the hole, with a steel cover welded to the top of the hole.

The Contractor may cut the steel casing below ground level and plug the hole at approximately 2ft. and fill in the pipe to ground level with concrete.

Or the Contractor may backfill the ventilation holes with suitable backfill material from the nearby waste pile, leaving a 2' mound over the backfilled shaft.

The other three sites that we project to reclaim, will be looked at in the future, simply because we will need to receive a key to a lock gate to get into Section 19, which gives us access to get to the other three sites that will be reclaimed.

On this trip John and myself drove to San Mateo, New Mexico where Mr. (b) (6) lives, he is the Rancher whom holds the key to the locked gate into Section 19, but we only found Mr. (b) (6) s mother whom mentioned that (b) (6) was in Belen, New Mexico and would not be in later that evening.

I mentioned to Ms. (b) (6) about our reason on gaining access into Section 19, and left Mr. Kretzmann's card so he could call us in reference to gaining access.

Recon ID #: 241
AML File Code #: 1992.35

RECONNAISSANCE REPORT XEROX COPY FORM

ABANDONED MINE LAND PROGRAM
New Mexico Mining And Minerals Division

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Grants Uranium Ph. II	EMNRD-MMD- 1992-05
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_____	EMNRD-MMD- _____
_____	EMNRD-MMD- _____

P = Pending

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Recon ID #241
NMLC Code #1992.35

ORIGINAL

March 25, 1992

MEMORANDUM

To: Grants Phase 2 Safeguard Project, File

From: Raymond Rodarte, Project Manager

Subject: Reconnaissance of Grants Phase 2 Project, Township 13 North, Range 9 West, Section 18,20,30.

1. Person doing recon: Raymond Rodarte

2. Date of recon: 4/2/90 - 3/24/92

3. Legal description including county and 7.5 minute quad name: T.13.N., R.9W., Section 18,20, and 30. McKinley County, Dos Lomas Quadrangle

4. Feature number:

   Beacon Hill Mine (LA 78097)
   SW1/4,SW1/4,NW1/4, Section 20

   Beacon Hill Gossett (LA 78104)
   SE1/4,SE1/4,SE1/4, Section 18

   Mesa Top Mine (LA 78098)
   NW1/4,NE1/4,SW1/4, Section 20

   Flea Mine (LA 78099)
   SE1/4,SE1/4,NE1/4 and NE1/4,NE1/4,SE1/4, Section 20

   Barbara J #1 Mine (LA 78100)
   SW1/4,NW1/4,NE1/4, Section 30

   Barbara J #2 Mine (LA 78101)
   NE1/4,NW1/4,NW1/4, Section 30

   Barbara J #3 Mine (LA 78102)
   NE1/4,NW1/4,NE1/4, Section 30

5. Dimensions:

Beacon Hill Mine - (1) open adit 15'w x 17'L, adit collapsed at approximately 7'. (1) steel head frame down near adit, it measures 10'L x 8'w bottom x 2'w top. (demolition of steel head frame)

A. Beacon Hill Gossett Mine - collapsed adit, 5 ventilation air shafts, (2) VS 3'diameter with steel cap, (3) VS 10" diameter

All five vent shafts are approximately 550 feet in depth.

Mr. Cosper, lode claimant for Mesa Top Mine mentioned to leave the Mesa Top mine open.

B. Mesa Top Mine - (1) open shaft, 11'w x 12'l x 50'd. (1) ventilation shaft, diameter x 100'd

C. Flea Mine - (1) open adit, 10'w x 8'l x 900'd excavation at adit entrance to be backfilled includes 22'h x 65'L

D. Barbara J #1 Mine - (1) open verticle shaft, 4'w x 10'L x 300'd (1) steel head frame, 40'l x (demolition of steel head frame)

E. Barbara J #2 Mine - (1) open verticle shaft, 8.5"l x 5'w x 460'd (1) steel head frame and steel cap, stand over shaft, measure, 60'L x 70'h x bottom of head frame measure 34'l x 24'w x (demolition of head frame and steel cap) Backfill shaft with waste material from Barbara J #3 Mine.

F. Barbara J #3 Mine - (1) open verticle shaft, 7'w x 7'l x 435'd (4) ventilation shafts, (2) diameter, (1) diameter, (1) diameter (backfill of main shaft, plug or backfill ventilation shafts.

REFER TO ADDITIONAL INFORMATION ON FILE

6. Location, or description of the to get to site, distance from town or landmark:

The project mining features are located on the Dos Lomas

Quad, Townships 13 North, Range 9 West, Sections 18,30.

Take highway 53 south of Milan, New Mexico, drive approximately 22 miles southwest of Milan, one mile past the Cibola County line take a dirt road west for .4 miles.

8. Commodity mined. Uranium

9. Topographic map with sites marked. REFER TO LAND OWNERSHIP

10. Drawing showing features, gob, archaeological, etc.

REFER TO INFORMATION ON RECON, AND ARCH FILE.

11. Photographs labeled or developed with AML ID numbers. REFER TO BINDER PHOTO DISPLAY.

12. Vegetation types present.

Vegetation consists of juniper (juniperus monosperma), pinon (Pinus edulis), loco weed (Astragulus spp.), snakeweed (Gutierrezia sarcobatus), sage (Artimisia spp.), mountain mahogany (Cercocarpus spp.), Indian rice grass (Oryzopsis hymenoides), saltbush (Atriplex canescens), and wolfberry (lycium pallidum).

13. Wildlife or evidence: Characteristic of the Upper Sonoran life zone include: coyote (Canis latrans), mule deer (odocoileus hemionus), desert cottontail (Sylvilagus audubonii), jackrabbit (Lepus californicus), and numerous other birds, rodents, and reptiles. Bank swallows (Riparia riparia) were noted in abundance.

14. Proximity of suitable raptor nesting sites: Approximately 1 mile west from the nearest job site, there is evendence of raptor nest, but will not be effected in any manner.

15. Archaeological/Cultural resources observed: No prehistoric artifacts were found on the site, although trash consisting of rusted metal fragments, pieces of galvanized metal, a rusted metal grate, assorted nuts a bolts, rubber tires, rusted cans, and a piece of rubber hose, were scattered over the surface of the site.

16. Recommended closure techniques: Backfill with material from nearby waste piles. And refer to reconnaissance report.

17. Surface and Mineral status: REFER TO LAND OWNERSHIP FILE BLM, Cerrillos Land Company, (b) (6) [redacted]

18. Status of Right of Entry: Cerrillos Land Company, REFER TO LAND OWNERSHIP FILE

19. Status of PADS. REFER TO FILE

20. Other: REFER TO FILE

Recon. M#: 75

AML File Code: 1992.18

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Grants Uranium Pk. II	EMNRD-MMD-1992-05

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Room ID #75

7/13/92

ORIGINAL

AML FILE CODE: 92018
7.5 QUAD NAME: Dos Lomas
PROJECT NAME: Grants Uranium Phase 2

RECONNAISSANCE REPORT
SUMMARY PAGE

ABANDONED MINE LAND BUREAU
NEW MEXICO MINING AND MINERALS DIVISION

QUADRANGLE NAME: Dos Lomas

Township 13 North, Range 9 West, Section(s)18,20,30

COUNTY: McKinley

OWNERSHIP: Bureau of Land Management- Minerals
(b) (6) [redacted], Surface & Grazing
(b) (6) [redacted], Surface & Grazing
(b) (6) [redacted], Minerals on Mesa Top Mine
(Review realty file for further delails.)

COAL OR NONCOAL?: Uranium

TOTAL NUMBER OF FEATURES OF EACH TYPE:

ADITS: 3 SHAFTS: 4 SUBSIDENCES: 2
Exploration drill holes: 412 approximately
Ventilation drill holes: 15 approximately

Feature number: Beacon Hill Gossett Mine (LA-78104) - SW1/4, SW1/4, NW1/4, Sec.20
(1) Trence leading to adit: 20'L x 15'W x 14'max. ht. open adit @ 20 degrees declination, measures: 10'w x 8'h x 30' or further.
(3) Ventilation Holes, 2 steel surface casing, 1 aluminum casing
East ventilation hole 87 feet deep, top OD 25" bottom OD 36" est.
West ventilation hole 87 feet deep, bottom OD 36.5" est.
Both east and west shafts were measured with rod measure @ 108 before correction factor. (All 3 VH were dry at bottom.)
North ventilation hole 68 feet deep, top OD 11 1/4" Dry hole
Total exploration holes flagged 110 and approximately 15% may still be found. A total of 31 exploration drill holes were measures from depths of 6' to 163' in depth, most of the boreholes were within 40' to 60'.
(3) Waste pile near site area with approximately 100% backfill material.

Beacon Hill #18-23 (LA-78097) - SE1/4, SE1/4, SE1/4, Sec. 18
Open incline shaft measured: anle of inclination 44 deg. to 50 deg., lower opening - 7'l x 8'w x depth unknown
surface opening measured: 17'l x 22'w x depth unknown (appeared to be blocked about 50' to 60' below.
Steel head frame measures: 7'x 18'x 21' (Contractor will cut and leave on site.)
Exploration drill holes flagged totaled 80, and a total of 20 holes were measured at depths of approxiamety 5' to 38', most holes measured 14' to 20'in depth.
(1) ventilation hole approximately 11" OD

Mesa Top Mine (LA-78098) NW1/4, NE1/4, SW1/4, Sec. 20
(1) open shaft - measures 10'L x 12'W x 50'D may have bridged @ 50'.
(2) ventilation shafts located west from shaft 1st - 3'OD 100'depth
2nd ventilation shaft measures approximately 4'w x 3'l x 4'd, then closes to a estimated 11" diameter vent hole, the depth is unknown at this time.
Steel ladder inside the shaft which may extend to the bottom of the 1st VH.
PROJECTED PLAN MAY INCLUDE: Concrete closure of the shaft or re-fence the permiter of the shaft. The ventilation shaft may by plugged or the entrance door welded shut. AML BUREAU MAY USE POLICE POWERS FOR LEGAL PUBLIC SAFETY

Flea Mine (LA-78099) SE1/4, SE1/4, NE1/4 and NE1/4, NE1/4, SE1/4 Sec. 20
(2) open adits
Northeast adit measures: 8'h x 13'w, trence is 65'L x 22' max. ht. 7 degree of declination.
Southeast adit measures: 7.7'w x 6.3'h x d ? - 24 degree 30 seconds of dedination
Total of exploration drill holes flagged were 45 and 27 holes were measured for depth of 4' to 98' approximately 70% were from 20' to 60'.(Refer to file data for additional information on specifics.
(3) ventilation shaft measured:
13" diameter estimate x 161 feet deep
13" diameter estimate x 163 feet deep
13" diameter estimate x 131 feet deep
All three ventilation holes were dry.

Barbara J #1 Mine (LA-78100) SW1/4, NW1/4, NE1/4, Sec. 30
(1) Steel head frame measuring approximately 35'h x 9.3'w x 26.9'L
or 15 deg 30 sec @ 100 ft. Head frame may be donated to Grants Museum or demolition.
(1) open shaft measuring:9.4'L x 4'W x 300'D
Total of 24 exploration drill holes were flagged and a total of 11 holes were measured.(All measured EDH were dry.)
(3) ventilation shafts measuring:
15" est. diam. x 46 feet deep
9" est. diam. x 7 feet deep
9" est. diam. x 48 feet deep

Barbara J #2 Mine (LA-78101) NE1/4, NW1/4, NW1/4, Sec. 30
(1) Steel head frame measuring: 60'H x 24'W at bottom x 34'L at bottom (angle: 23: deg 20 sec., distance of 120 ft.
(1) open elliptical shaft measuring: 8.5'L x 5'W x 182' depth to water level, to bottom of shaft approximately 201 feet deep. Pole measurement totaled 460' with no correction factor of .77 x 430 = approxiamately 331 feet deep.
A total of 80 exploration drill holes were flagged and 26 exploration drill

holes measured from 5 feet deep to 38 feet deep most measuring 15′ to 20′.
(1) Northwest ventilation hole measured: diam 18", 173′deep
(1) West ventilation hole measured: estimated diam 18", depth ?

Barbara J #3 Mine (LA-78102) NE1/4, NW1/4, NE1/4, Sec. 30
(1) open shaft measures: 7′l x 7′w x 275′depth before hitting water.
The shaft is lined with 18" sections of corrugated steel, the corrugated lining is place approximately 6′ below surface then lined with boards below the steel. A ladder remains in the shaft with 3 other pipes which include a 4",6" and 12" diameter pipes that will be taken out before backfilling.
(2) ventilation drill holes with steel casing,
1st vent hole is south of the shaft, next to the waste pile and capped.
2nd vent hole is west of the shaft, measures 12" diameter and 275′d.
The total exploration drill holes were 8 at depth of 6′ to 131′, one drillhole hitting water at 121′.

Barbara J #3a
(1) Ventilation steel cased shaft measuring: diameter 31.5" OD
Depth: 458′ (before correction factor of .77 x 558 = 353 ft. deep.
A total of 8 boreholes were measured (check attached memo on boreholes).

East Malpais Lease Mine (LA-78103) SE1/4, SE1/4, NW1/4, Sec. 20
(1) open shaft measures: 7′l x 6′w x 120′d (dry shaft)
A total of 64 exploration drill holes were flagged and 6 ventilation holes.
The exploration drill holes averaged from 5′ to 77′in depth.
Ventilation holes measured from 9" wide to 15" and 45′ to 87′ depth.

(Refer to Reconnaissance Report for further details.)

OTHER (gob, etc.): Uranium waste piles (6).

PERSON WHO WROTE RECONNAISSANCE: Raymond R. Rodarte

Person(s) doing recon: Raymond Rodarte, John Kretzmann, Rick Koehler, Gina Age

Date(s) of recon: 4/16/90, 3/25/92, 4/1/92, 6/29/92, 7/14/92

OTHER GENERAL COMMENTS OR RECOMMENDATIONS: Before 3/25/92 exploration drill holes were to be left open, as of 6/29/92 drill holes are to be capped or backfilled.
Barbara J 1 thru 3 shafts may be backfilled or plugged according to specifications.
Mesa Top Mine will be capped or fenced off, since the mineral owner has refused to answer to any registered letter that have been mailed in the past.
Beacon Hill Mine will be backfilled with adjacent waste material.
Beacon Hill Gossett Mine will be backfilled including all shafts and drillholes.
East Malpais Mine will be backfilled with adjacent waste pile material.
Flea Mine #1 & #2 and boreholes will be backfilled.

(Note: This page must be filled out for every recon report and should be the first page (cover page) of the report. A recon checklist follows this cover page, all information of the checklist should be reported for each feature located and be in the same sequence as the checklist. See Randall or Homer if you have any questions.)

7/13/92

AML FILE CODE: _____
7.5 QUAD NAME: Dos Lomas
PROJECT NAME: Grants Uranium Phase 2

Reconnaissance checklists - reconnaissance reports should contain as much of the information below as possible AND SHOULD BE IN THE SAME SEQUENCE AS BELOW. All the information should be filled out for each feature. If it is repetitive (SAME AS PAGE 1 OF YOUR REPORT) put SAME. It is also important that the **QUAD NAME AND PROJECT NAME** be at the top as Geraldine will need to find these items quickly for filing purposes.

1. Legal description including T., R., SECTION AND 7.5' QUADRANGLE.
   Same as above

2. Feature type, AML number, and name of mine if known.
   Beacon Hill Mine, Beacon Hill Gossett Mine, Barbara J Mine 1,2 and 3 Flea Mine and Malpais Mine.

3. Dimensions, if collapsed put collapsed
   Refer to above information.

4. Surface and/or mineral status and ownership. Private, public? If public which agency manages it? Include addresses, phone numbers, and any other information which may be helpful. **If unknown put unknown.**
   Bureau of Land Management - Dave Sitzler Albuquerque Office 761-8919
   B.L.M owns all minerals or Jim Olsen in Santa Fe 438-7455.
   (b) (6) - Box 4046, San Mateo Rd. Grants,NM.
   Surface Ownership on Sec 30., S1/2, NE1/4, N1/2, SE1/4. 320 ac.
   (b) (6) - Access San Mateo, NM.
   (b) (6) - Mineral Claimant Leasee: P.O. Box 667, Cortez Co. 81321

5. Commodity mined if known. Uranium

6. Location, a description of how to get to the site, distance from any town, highway, or landmark. Take highway 605 past Milan, NM , drive approximately 16 miles northeast, 1/2 mile past the county line take the next left road for .05 miles to Barbara J Mines.

7. Topographic (8.5"x11") map with site marked.
   Refer to above information and attached map.

8. Drawing showing features, gob, waste, archaeological stuff etc.
   Refer to archaeological information in file and other recon reports.

9. Recommended closure technique and two alternatives, include availability and source of backfill material.
   Refer to above information.

10. Wildlife or evidence of observed.
    Characteristic of the upper sonoran life zone include: coyote (Canis latrans), mule deer (odocoileus hemionus), desert cottontail (Sylvilagus audubonii), jackrabbit (Lepus californicus), and numerous other birds, rodents, and reptiles.

11. Proximity of suitable raptor nesting sites - ie.: high cliffs, whitewash. Approximately 1 mile west from the nearest job site, there is evidence of raptor nest, but will not be effected in any manner.

12. Vegetation types present. Pinon-Juniper etc.
Vegetation consists of juniper (juniperus monosperma), pinon (Pinus edulis), loco weed (Astragulus spp.), snakeweed (Gutierrezia sarcobatus), sage (Artimisia spp.), mountain mahogany (Cercocarpus spp.), Indian rice grass (Oryzopsis hymenoides), saltbush (Atriplex canescens), and wolfberry (lycium pallidum).

13. Archaeological/Cultural resources observed.
No sites had been previously located or recorded.

14. Photographs labeled with soon to be developed AML ID numbers.
Photo's in project binder.

15. Status of Right of Entry.
Refer to above information.

16. Status of PADS. If it is a coal area with PADS available include the PU and PA numbers. See Randall.

17. Other. Anything you want or feel is important and was not covered above. Publications or reports related to this minesite.

13N 10W 24 SW

13N 10W 30 SW

Quad Name: Dog Lamas

Township: 13 North
Range: 10 West
Section: SE 1/4 of Sec. 24

Recon ID #: 5

AML File Code #: 2001.02

RECONNAISSANCE REPORT XEROX COPY FORM

ABANDONED MINE LAND PROGRAM

New Mexico Mining And Minerals Division

Please Note:

Original Reconnaissance Report must remain in the Reconnaissance original file, copies may be made to file in the Project file "**a**" Background Information – includes inventory sheets, (PADS), preliminary site inspection reports, and, in general, all correspondence up to the time that IFB is mailed (except what should be placed in the EA, IFB, Pre-Construction Contracts, Public Meetings and Information, and Realty files)

Please write in name of Project in which copies are filed at:

Project Name	**Project ID #**
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____

P = Pending

DO NOT REMOVE *THIS FORM FROM REC ONNAISSANCE FILE, THANK YOU.*

7/25/01

ORIGINAL

Pile #5

AML FILE CODE: 01002
7.5 QUAD NAME: DosLomas,N.Mex.
PROJECT NAME: _____

RECONNAISSANCE REPORT
SUMMARY PAGE
ABANDONED MINE LAND BUREAU
NEW MEXICO MINING AND MINERALS DIVISION

QUADRANGLE: Dos Lomas, New Mexico

LEGAL DESCRIPTION: Township 13 North, Range 10 West, SE ¼ of Section 24

COUNTY: McKinley

OWNERSHIP: (b) (6) Ranch (Purchase agreement to (b) (6))

COAL OR NONCOAL: Non-Coal

TOTAL NUMBER OF FEATURES OF EACH TYPE:

ADIT: _____ SHAFTS: _____ SUBSIDENCES: _____

OTHER (gob, etc.): 30+ exploration drill holes, (1) Vent hole

PERSON WHO WROTE RECONNAISSANCE: Raymond Rodarte

Person(s) doing recon: Raymond Rodarte

Date(s) of recon: 7/16/01

OTHER GENERAL COMMENTS OR RECOMMENDATIONS: All drill holes and vent holes should be plugged or capped instead of backfilling the drill holes with dirt material.

1. Legal description: Same
2. Feature type, AML number, and name of mine if known.
3. Dimensions, if collapsed put collapsed Drill holes measure 3" across, vent hole measures 1 foot across, depths vary and voids also are unknown.
4. Surface and/or mineral status and ownership. Private
5. Commodity mined if known. Uranium

6. Location, a description of how to get to the site, distance from any town, highway, or landmark. Drive 2 miles southwest from Jay's Liquor Lounge on State Road 53, turn right on Haystack road, drive on dirt road approximately 2 miles southwest until you see a road to the right that is locked with a cable and held up with two steel posts,(on the left you can see a gravel pit) from here you can see a mobile trailer. The drill holes and vent hole begin several feet from the trailer.

7. Topographic (8.5"x11") map with site marked. On file.

8. Drawing showing features, gob, waste, archaeological stuff etc. On File.

Recommended closure technique: Plug with concrete or foam plug.

Wildlife or evidence of observed. Elk or Wapiti (Cervus elaphus), Mule Deer (Odocoileus hemionus), Black Bear (Ursus americanus), Mountain lion (Felis concolor), Red Fox (Vulpes vulpes), Gray Fox (Urocyon dinereoargenteus), Bob Cat (Lynx rufus), Coyote (Canis latrans), Turkey (Meleagris gallopavo), Cottontail rabbit (Sylfilagus auduboni), Jackrabbit (Lepus Californicus), Raccoon (Procyon lotor), Badger (Taxidea taxus), Red Fox (Vulpes vulpes), Gray Fox (Urocyon dinereoargenteus), Bob Cat (Lynx rufus), Coyote (Canis latrans), Turkey (Meleagris gallopavo), Skunk (Mephitis), Raccoon (Procyon lotor), Badger (Taxidea taxus).

Proximity of suitable raptor nesting sites - None

12. Vegetation types present. Pinon Pine (Pinus edulis), Utah Juniper(Juniperus osteosperma), Pondarosa Pine(Pinus edulis) Blue Grama(Bouteloua gracilis), Alfalfa Rhizoma (Medicago sativa), Western wheatgrass (Agropyron smithii).

13. Archaeological/Cultural resources observed. Refer to Arch report.

14. Photographs labeled with soon to be developed AML ID numbers. On File

15. Status of Right of Entry. Private

16. Status of PADS. If it is a coal area with PADS available include the PU and PA numbers. See Randall.

Other. Residential Home within 20 feet from drill holes, vent hole approximately 30 feet from home. Landowner Jack Elkins: 290-1346 cell

4/4/96

AML FILE CODE: _____
7.5 QUAD NAME: Dos Lomas, N. Mex.
PROJECT NAME: _____

RECONNAISSANCE REPORT
SUMMARY PAGE

ABANDONED MINE LAND BUREAU
NEW MEXICO MINING AND MINERALS DIVISION

QUADRANGLE: Dos Lomas, New Mexico

LEGAL DESCRIPTION: Township 13 North, Range 10 West, SE ¼ of Section 24

COUNTY: McKinley

OWNERSHIP: (b) (6) Ranch (Purchase agreement to (b) (6))

COAL OR NONCOAL: Non-Coal

TOTAL NUMBER OF FEATURES OF EACH TYPE:

ADIT: _____ SHAFTS: _____ SUBSIDENCES: _____

OTHER (gob, etc.): 30+ exploration drill holes, (1) Vent hole

PERSON WHO WROTE RECONNAISSANCE: Raymond Rodarte

Person(s) doing recon: Raymond Rodarte

Date(s) of recon: 7/16/01

OTHER GENERAL COMMENTS OR RECOMMENDATIONS: All drill holes and vent holes should be capped to avoid future maintenance.

1. Legal description: Same
2. Feature type, AML number, and name of mine if known.
3. Dimensions, if collapsed put collapsed Drill holes measure 3" across, vent hole measures 1 foot across, depths vary and voids also are unknown.
4. Surface and/or mineral status and ownership. Private
5. Commodity mined if known. Uranium
6. Location, a description of how to get to the site, distance from any town, highway, or landmark. Drive 2 miles southwest from Jay's Liquor Lounge on State Road 53, turn right on Haystack road, drive on dirt road approximately 2 miles southwest until you see a road to the right that is locked with a cable and held up with two steel posts,(on the left you can see a gravel pit) from here you can see a mobile trailer. The drill holes and vent hole begin several feet from the trailer.

7. Topographic (8.5"x11") map with site marked. On file.

8. Drawing showing features, gob, waste, archaeological stuff etc. On File.

Recommended closure technique: Plug with concrete or foam plug.

Wildlife or evidence of observed. Elk or Wapiti (Cervus elaphus), Mule Deer (Odocoileus hemionus), Black Bear (Ursus americanus), Mountain lion (Felis concolor), Red Fox (Vulpes vulpes), Gray Fox (Urocyon dinereoargenteus), Bob Cat (Lynx rufus), Coyote (Canis latrans), Turkey (Meleagris gallopavo), Cottontail rabbit (Sylfilagus auduboni), Jackrabbit (Lepus Californicus), Raccoon (Procyon lotor), Badger (Taxidea taxus), Least Chipmunk (Eutamias minimus), Cliff Chipmunk (Eutamias dorsalis), Red Fox (Vulpes vulpes), Gray Fox (Urocyon dinereoargenteus), Bob Cat (Lynx rufus), Coyote (Canis latrans), Turkey (Meleagris gallopavo), Skunk (Mephitis), Raccoon (Procyon lotor), Badger (Taxidea taxus).

11. Proximity of suitable raptor nesting sites - ie.: high cliffs, whitewash.

12. Vegetation types present. Pinon Pine (Pinus edulis), Utah Juniper(Juniperus osteosperma), Pondarosa Pine(Pinus edulis) Blue Grama(Bouteloua gracilis), Alfalfa Rhizoma (Medicago sativa), Western wheatgrass (Agropyron smithii).

13. Archaeological/Cultural resources observed. Refer to Arch report.

14. Photographs labeled with soon to be developed AML ID numbers. On File

15. Status of Right of Entry. Private

16. Status of PADS. If it is a coal area with PADS available include the PU and PA numbers. See Randall.

Other. Residential Homes within 20 feet from drill holes, vent hole approximately 30 feet from home. Contact for (b) (6) [redacted]

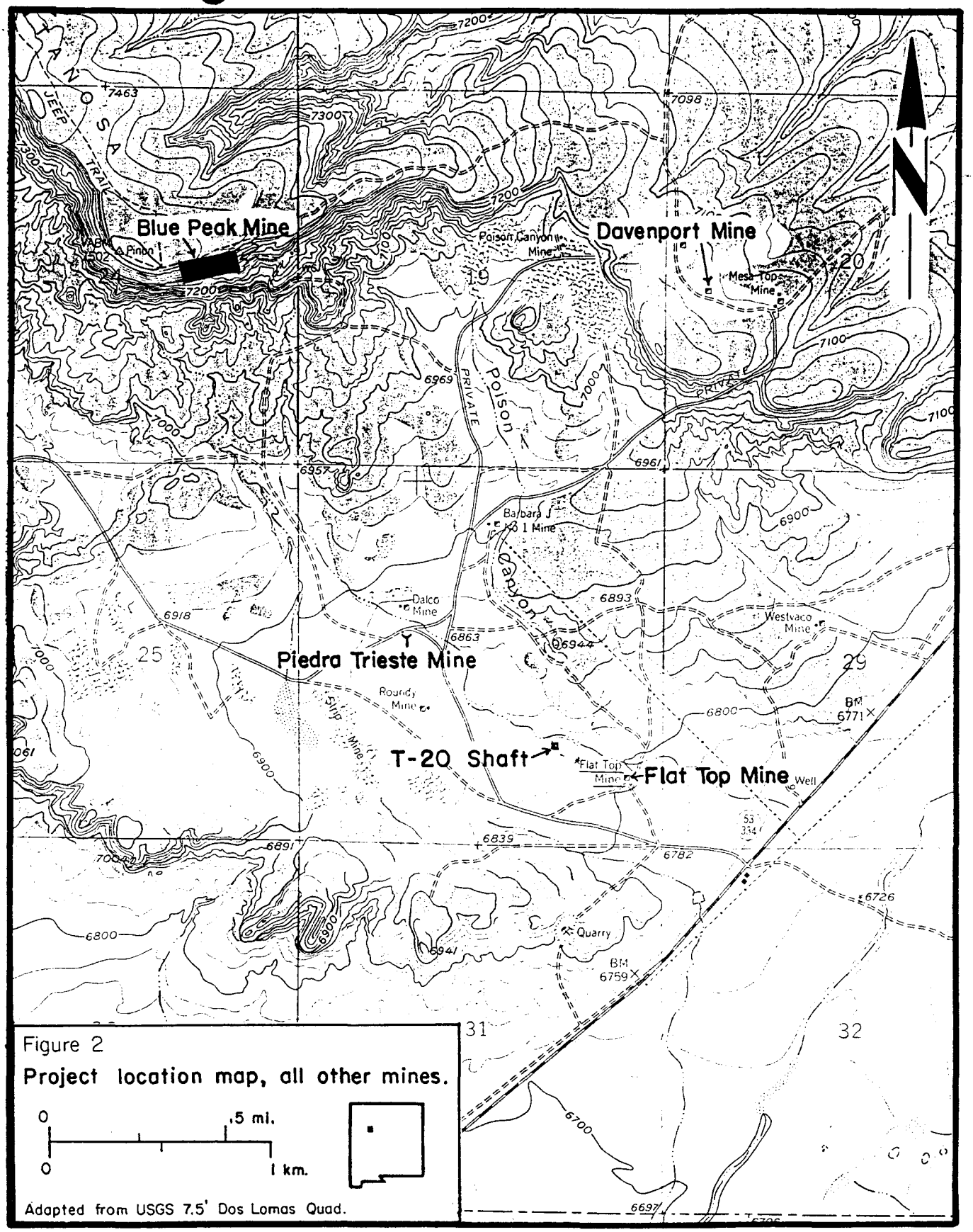

Figure 2

Project location map, all other mines.

0 .5 mi.

0 1 km.

Adapted from USGS 7.5' Dos Lomas Quad.

RECOMMENDATIONS

The current listings of the National Register of Historic Places and the New Mexico State Register of Cultural Properties have been consulted and no sites listed on, nominated to, or approved for submission to either inventory are listed with the proposed project areas.

All of the mine sites investigated lack any specific association with important people or events, and all are under 50-years old. The potential of these remains to contribute new historical information through further archival research appears to be extremely limited. We believe that the information potential of the six sites has been exhausted by the current recording and research project.

The prehistoric site adjacent to Flat Top Mine (LA 72372) has potential to yield more information, but does not warrant further treatment unless its present state is threatened. However, the site does lie in the most direct path to the mine from the access road; therefore, it is recommended that the site be avoided by crossing to the mine either prior to reaching or after having passed the site from the road (Fig. 15).

Access to all sites is by existing dirt roads. Access to Francis Mine is also by dirt road, but only to within a 1/4 mi of the site. At this point, it is currently necessary to walk in, although the land is cleared for building a road if the need arises. Areas surrounding access roads and all open terrain around cultural features were surveyed and existing cultural features mapped. Areas to be avoided by heavy equipment used by Abandoned Mine Land Bureau personnel are defined on accompanying site maps.

We therefore recommend approval for the filling in of subsidence pits, adits, declines, and shafts and the sealing of mine openings with topsoil. Dynamiting at Francis Mine is also recommended for approval if trucking fill dirt becomes untenable. Further, we agree with the grading of all mine tailings (when necessary and possible) and covering them with topsoil for purposes of revegetation. We understand that Abandoned Mine Land Bureau personnel will supervise all land-modifying activities and will ensure that associated historic and prehistoric features are not disturbed.

This report complies with the Secretary of the Interior's *Standards and Guidelines for Archaeology and Historic Preservation.*

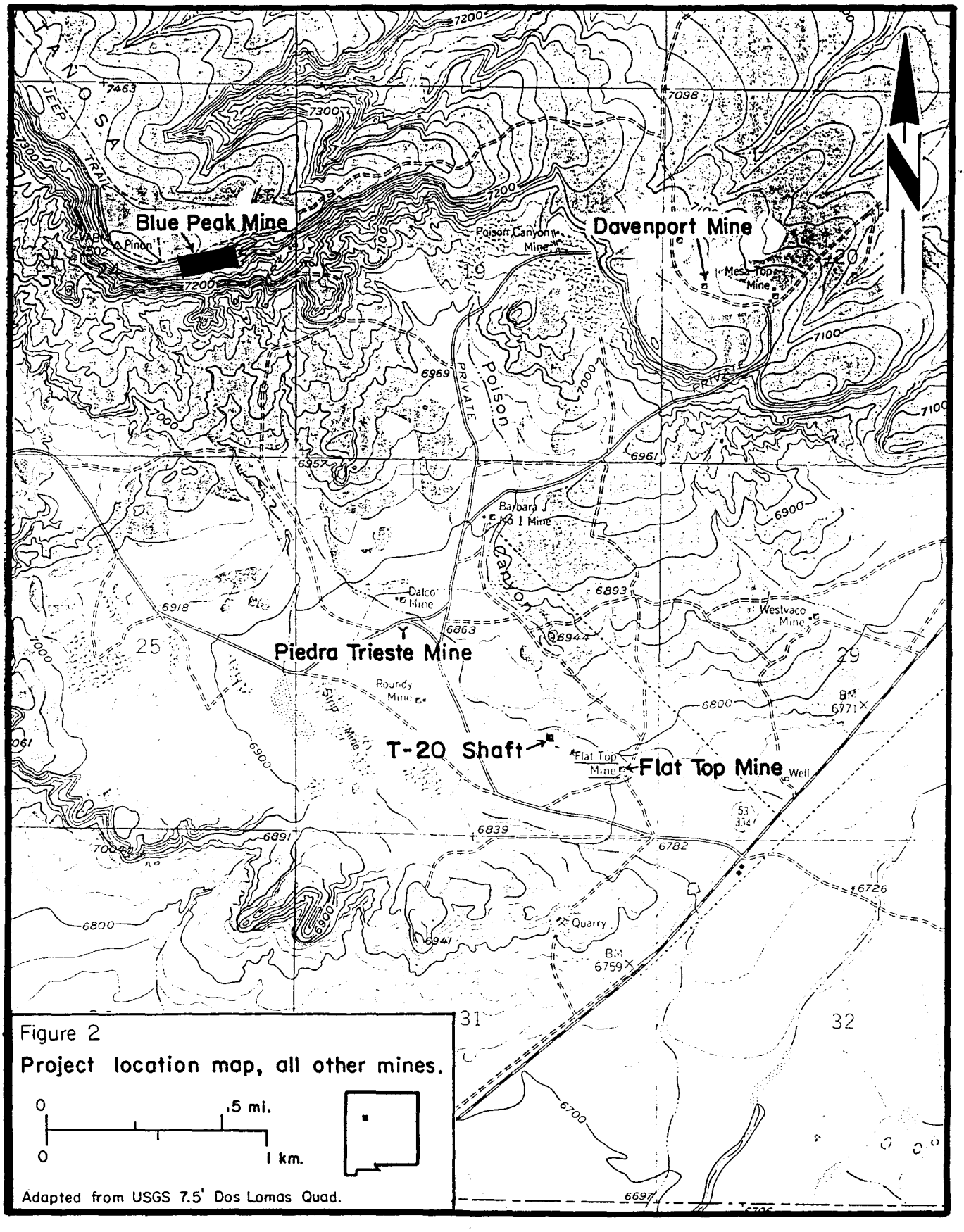

Figure 2

Project location map, all other mines.

0 .5 mi.

0 1 km.

Adapted from USGS 7.5' Dos Lomas Quad.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DOS LOMAS QUADRANGLE
NEW MEXICO
7.5 MINUTE SERIES (TOPOGRAPHIC)

Ben / Pi
Sec. 25
T-13N R-10W

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1956. Field check 1957

Polyconic projection. 1927 North American datum
10,000-foot grid based on New Mexico coordinate system, west zone
1000-meter Universal Transverse Mercator grid ticks, zone 13, shown in blue

Certain land lines omitted in T. 13 N., R. 9 W. because of alleged fraud or defects in the surveys

UTM GRID AND 1957 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24000

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

ROAD CLASSIFICATION
Medium duty — Light duty
Unimproved dirt
State Route

QUADRANGLE LOCATION

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

DOS LOMAS, N. MEX.
N3515—W10745/7.5
1957
AMS 4454 IV SE—SERIES V881

N-1

- Mine Care Inc -

Land Owner
[redacted] Ranch

5-23-01
9:55am

[redacted]

Milan exit I-40 by Grants

North Hwy. San Mateo

10.2 miles North towards [redacted] Ranch
or San Mateo paso railroad tracks.

West Haystack Rd

2 miles in South side road.

Recon ID #: 251
AML File Code #: 1998.01

RECONNAISSANCE REPORT XEROX COPY FORM

ABANDONED MINE LAND PROGRAM
New Mexico Mining And Minerals Division

Please Note:

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_____	EMNRD-MMD-_____
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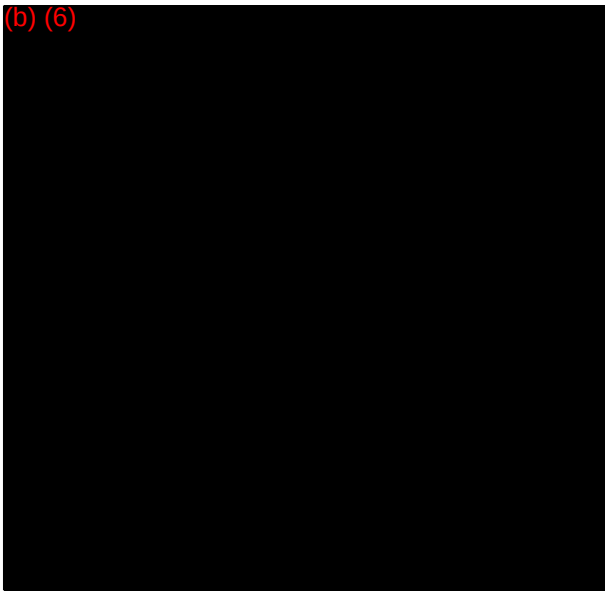
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____
_____	EMNRD-MMD-_____

P = Pending

DO NOT REMOVE *THIS FORM FROM REC ONNAISSANCE FILE, THANK YOU.*


(b) (6)

9/2/98

AML FILE CODE: 98001
7.5 QUAD NAME: Dos Lomas, N. Mex.
PROJECT NAME:

Photo Filed

RECONNAISSANCE REPORT

SUMMARY PAGE

ABANDONED MINE LAND BUREAU
NEW MEXICO MINING AND MINERALS DIVISION

QUADRANGLE: Dos Lomas, New Mexico

LEGAL DESCRIPTION: T.13N., R.10W., Section 24

COUNTY: McKinley

OWNERSHIP: (b) (6) [redacted]

COAL OR NONCOAL: Uranium

TOTAL NUMBER OF FEATURES OF EACH TYPE:

ADIT: _____ SHAFTS: _____ SUBSIDENCES: 1

OTHER (gob, etc.): subsidence caused by a exploration drill hole

PERSON WHO WROTE RECONNAISSANCE: Raymond Rodarte

Person(s) doing recon: Raymond Rodarte

Date(s) of recon: 6/2/98

OTHER GENERAL COMMENTS OR RECOMMENDATIONS: Subsidence hole occured along Haystack Road, it seems that an exploration hole starte the subsidence. The subsidence was backfilled by the County Manager's crew 3 weeks later. It would be wise to continue monitoring the subsidence for a few years, since it is mine related.

1. Legal description: Same

2. Feature type, AML number, and name of mine if known.

3. Dimensions: measured 10'w x 10'l x 16'd
4. Surface and/or mineral status and ownership. Private
   Refer to Realty information.
5. Commodity mined if known. Uranium

6. Location, a description of how to get to the site:From Grants New Mexico, drive southwest towards Ambrosia Lake, New Mexico Haystack Road 605.
7. Topographic (8.5"x11") map with site marked.
   On File!
8. Drawing showing features. Photo on File

9. Recommended closure technique: Backfill with nearby material.

10. Wildlife or evidence of observed. Elk or Wapiti (Cervus elaphus), Mule Deer (Odocoileus hemionus), Black Bear (Ursus americanus), Red Fox (Vulpes vulpes), Gray Fox (Urocyon dinereoargenteus), Bob Cat (Lynx rufus), Coyote (Canis latrans), Turkey (Meleagris gallopavo), Cottontail rabbit (Sylfilagus auduboni), Jackrabbit (Lepus Californicus), Raccoon (Procyon lotor), Badger (Taxidea taxus).

11. Proximity of suitable raptor nesting sites - None

12. Vegetation types present. Pinon Pine (Pinus edulis), Utah Juniper(Juniperus osteosperma), Blue Grama(Bouteloua gracilis).

13. Archaeological/Cultural resources observed. None

14. Photographs labeled with soon to be developed AML ID numbers. On File.
15. Status of Right of Entry. Private

16. Status of PADS. If it is a coal area with PADS available include the PU and PA numbers. See Randall.

17. Other. Mckinley School Bus route! The subsidence hole is approxiametely 15 ft. from the road. Ph: (b) (6) [redacted], Ph: David Acosta (County Manager)722-2303 ext. 7171

17

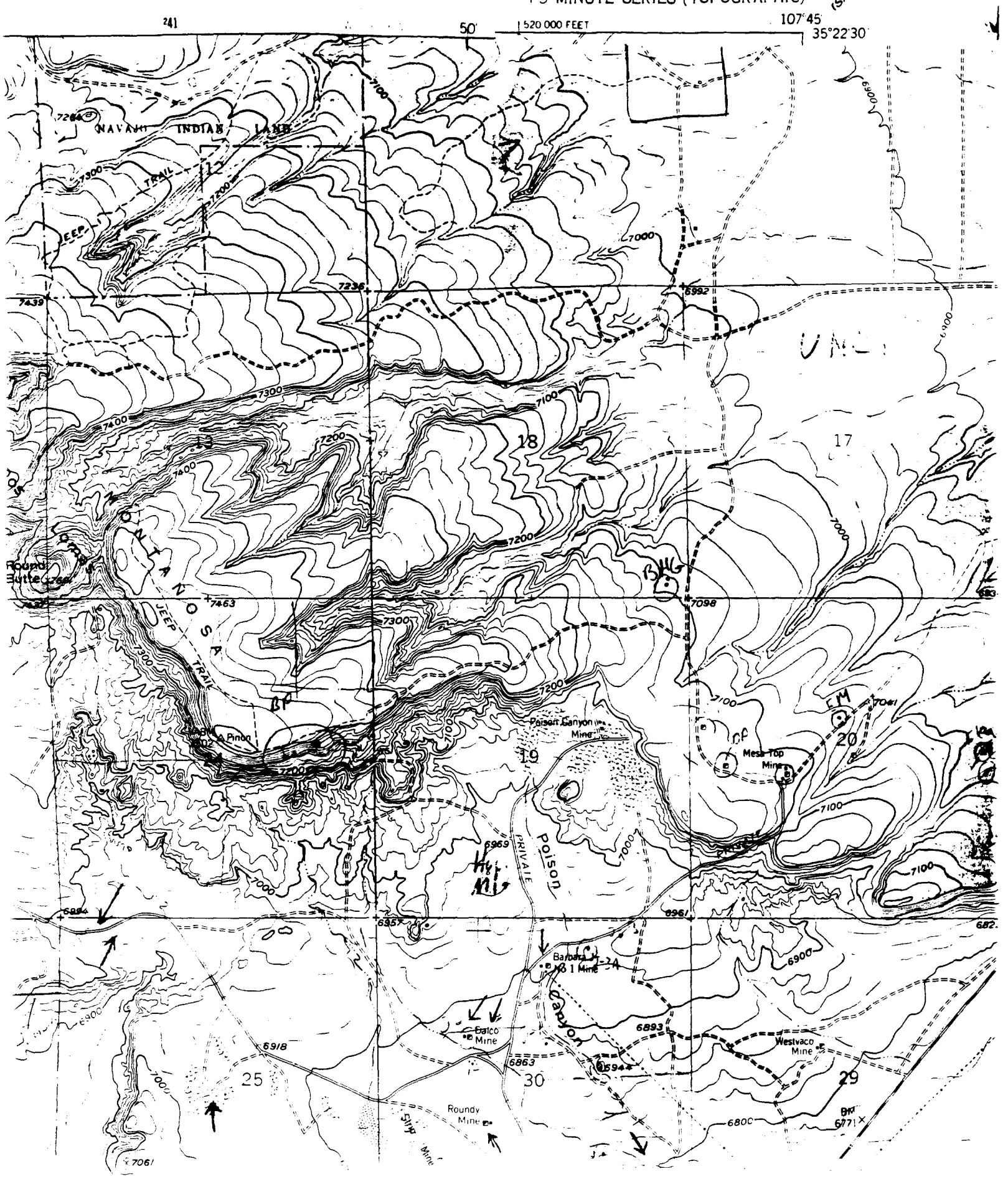
RIOR

DOS LOMAS QUADRANGLE

NEW MEXICO

7 5 MINUTE SERIES (TOPOGRAPHIC)

4454 I NW (SAN LUCAS DAM)



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT
Test test test test test test

MINING AND MINERALS DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-5970

Jennifer A. Salisbury
CABINET SECRETARY

Kathleen A. Garland
DIVISION DIRECTOR

6/1/98

Ray,

David Coastal (722-2303) of the McKinley County Road Dept. Called me to say he had a report of a capped uranium mine shaft sinking 30 ft into the ground. there is no headframe and Rick K. says its in the Barber J area.

Its less than a mile west of the intersection of Hwy 605 & County Rd 23.

Section 24, Township 13N, R 10W,

The lady who made the report is (b) (6) of (b) (6)

If you have time, please give one of them a call to tell them we are aware of it.

Mike Tompson.

June 1, 1998

MEMORANDUM

To: Dos Lomas, New Mexico File

From: Raymond Rodarte, Reclamation Spec. 3

Subject: Surface subsidence resulting from a exploration drill hole

On May 29, 1998, I met with Mr. David Acosta, County Manager for McKinley County at Ambrosia Lake, New Mexico. The meeting was held at the Haystack Road No. 605 to discuss the abatement of a large subsidence that occurred a few weeks ago near a regular used dirt road. We met at the entrance road to Haystack and drove to the problem area to discuss on how we could abate the public hazard as soon as possible.

After our inspection of the subsidence hole Mr. Acosta asked me if the subsidence hole resulted from a drill hole?" My answer was that it had the same kind of subsidence we had seen on the previous drill holes seen on the Grants Phase 2 Project, but that I could not be sure". I mentioned that in order for us to include the project in our future project, that we would spend at least 2 years before we could ever come in and backfill the subsidence. Mr. Acosta mentioned that he could bring in his crew to complete the work, because the crew was a few miles the site, but that he would need my professional advise on how to safely backfill the subsidence. I spent a few minutes explaining to him a safe technique on backfilling the subsidence hole and thanked him on proceeding with the backfilling within the next two weeks. I also thought that was the best thing to do since the subsidence was so close to the road and if not backfilled it would result in also subsiding the road.

I mentioned that I would include this into our reconnaissance list and try to monitor the site with the follow-up inspection that occur on quarterly bases. " I did receive a call two weeks after our meeting and Mr. Acosta, mentioned they had backfilled the subsidence and diverted the water from the subsidence hole". He also thanked me for our joint cooperation in abating this immediate public hazard!

Recon #98001 Dos Lomas
T13N, R10W, S24

New Mexico Mining Minerals Division
Abandoned Mine Land Program
Uranium Mine BLM Surveys

MMD AUM No	Mine Name	BLM Inventory Date		BLM Inventory Mine Name
NM0082	Barbara J No. 1	8/9/1985	**	Barbara J No. 1
NM0055	Barbara J No. 2	8/10/1985	**	Barbara J No. 2
NM0049	Barbara J No. 3	8/10/1985	**	Barbara J No. 3
NM0084	Beacon Hill	8/17/1985	**	Beacon Hill #18-23
NM0083	Beacon Hill Gossett	8/21/1985	**	Beacon Hill (Section 18) Gossett
NM0074	Black Hawk, Bunney, Red Bluff Nos. 7, 8 & 10, UDC, Gay Eagle	8/20/1987		Red Bluff No. 7
NM0085	Blue Peak	8/22/1985	**	Blue Peak
NM0086	Davenport	8/17/1985	**	Davenport incline
NM0043	Dog	8/20/1985	**	BG Group/Dog Group
NM0090	Flat Top	8/13/1985	**	Flat Top
NM0068	Flea	8/17/1985	**	Flea Mine (Flea-Doris)
NM0054	Malpais	8/21/1985	**	East Malpais
NM0096	Mesa Top	8/20/85, 6/14/02	**	Mesa Top
NM0157	Piedra Trieste	8/14/1985	**	Peidra Trieste
NM0072	T-20	8/15-16/85, 5/10/02	**	T-20 shaft

*** in Schuster report "Pilot Project Field Report: Hazardous Waste Inventory Abandoned Uranium Mines

MINING CLAIM SITE INSPECTION

Date: 05/10/02

Inspectors: David Sitzler

Claim Name: T-20 Mine

Location: Sec 30 T 13 N, R 09 W Operator: abandoned

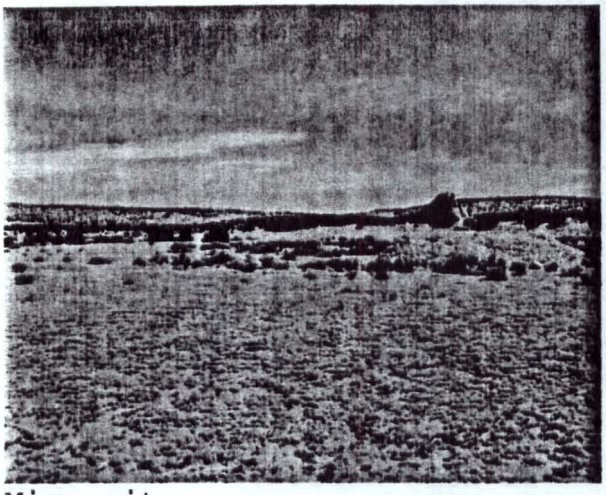
Status:		Reclamation:	
Active		Not Required	
Inactive		Required after Completion	
Closed	XX	More work needed	XX
Trespass		Completed	

Field Notes:

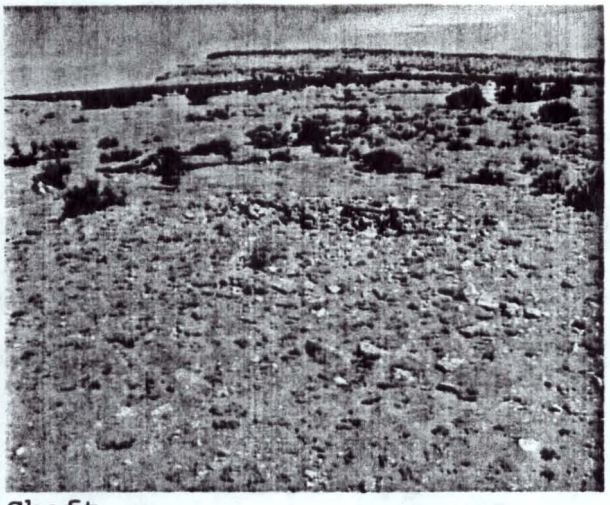
The T-20 Mine was operated from 1960 to 1963. The Mine was inventoried by BLM in 1985 and was submitted to NMAML Bureau in 1989. The shaft was backfilled in 1990. Surface debris remain on site and the backfill in the shaft(4' X 8')has settled about 12 feet. There is also an open ventilation hole.

Problem Areas:

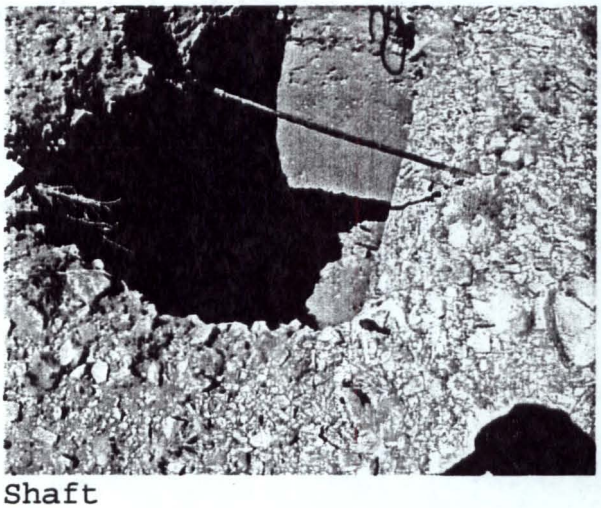
Shaft needs to have more backfill added and the ventilation hole needs to be plugged.



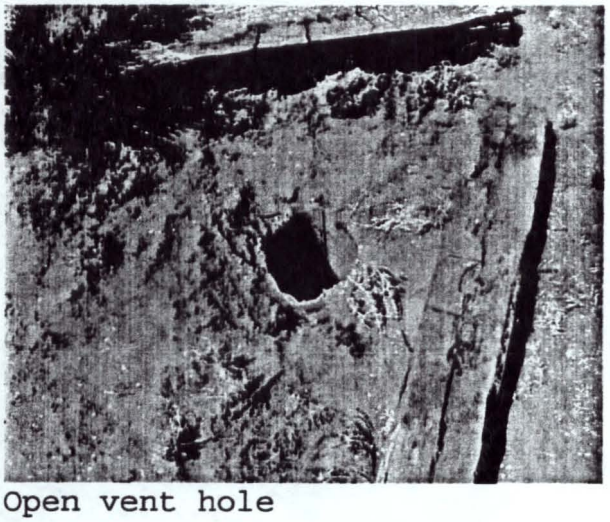
Mine site



Shaft



Shaft



Open vent hole

"Corrections"

New #

1.	T-20	35° 19' 24"	107° 4
6.	Francis (I-35)	35° 27' 45"	108° 01
9.	Elkins Claims (3)	35° 25' 37"	108° 0
11.	Fontz #1	35° 33' 50"	108° 32

MINING CLAIM SITE INSPECTION

Date: 06/14/02

Inspectors: David Sitzler

Claim Name: Mesa Top Mine

Location: Sec 20 T 13 N, R 09 W Operator: abandoned

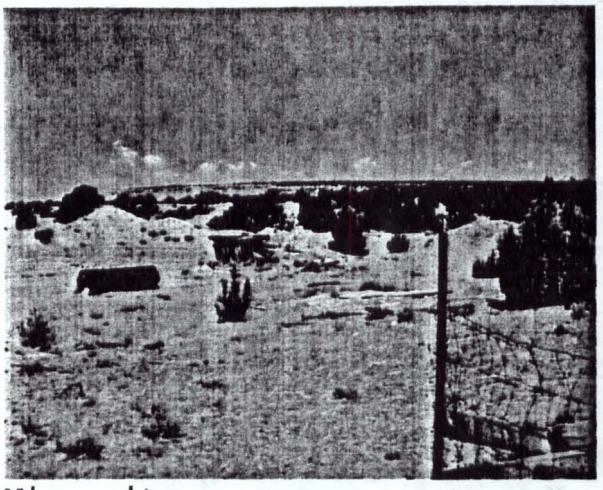
Status:		Reclamation:	
Active		Not Required	
Inactive		Required after Completion	
Closed	XX	More work needed	XX
Trespass		Completed	

Field Notes:

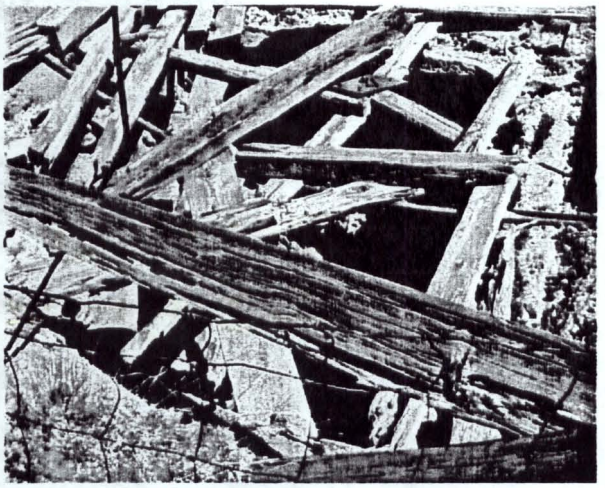
The Mesa Top Mine was operated from 1954 to 1961 and from 1967 to 1968. The Mine was inventoried by BLM in 1985. There is no record that the mine was submitted to NMAML Bureau. No reclamation work was completed. The shaft is still open, as is a ventilation hole/escapeway.

Problem Areas:

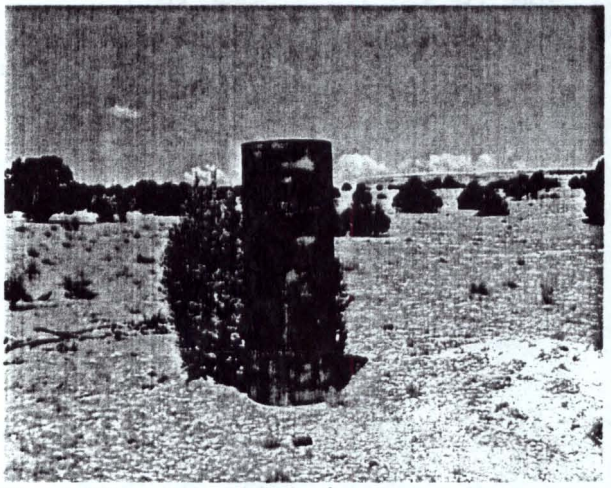
Shaft and ventilation hole needs to be backfilled.



Mine site



Open shaft



Ventilation hole/escapeway

Cibola Cty.

U[r]NIUM MINE INVENTORY INSPECTION
Phase I

Location: The mine is located in the NE¼ SE¼ SW¼ of section 4, T. 12N., R. 9W., NMPM. Coordina
area longitude of 35°17'35" N. and a latitude of 107°47'35" W., Cibola County, N.M.
The site is within the Grants uranium district and the Ambrosia Lake subdistrict. A site location
map on the Dos Lomas Quad. is attached.
Mine Name and Production: The Red Bluff #7 has no alias names. During the mine's life,
587 tons of ore was mined. This ore yielded 2,274 lbs (0.19%) U_3O_8. 890 lbs. of
V_2O_5 was coproduced with the uranium. The mine was produced from 1953-1958 in conjunction with
private surface operations located east of the mine.
Operator(s): The operator of the mine is unknown.

Land Status and Claim Information: This minesite is located in the BLM Rio Puerco Resource Area and
Master Title Plats are not available in the Farmington Office; however, according
to ownership maps, the subject parcel is Federally owned surface & minerals. Mining
claim #64583 was located by Felix Mirabal on 11-21-50 and the last assessment work
completed in 1980. The Claim File was closed on 4-16-87. No 3809 Notice or patent applicat
was filed.
Environmental Site Characteristics: The mine is located on a sandstone mesa
outcrop that is capped with the Todilto Limestone layer. Predominant
vegetation on the site includes galleta, blue grama, broom snakeweed and very
sparse pinyon. Except for the trenches & stockpile areas, the site has
revegetated very well through natural succession. Species density is very
similar to those areas outside the mine site itself. Approximately seven
acres have been disturbed by mining & stockpiling operations at this site.
No known archaeological sites are located in the area. The site is not easily
accessable. That portion of the road which traverses the side of the mesa
is washed out and nearly impassable. The remaining 3 miles of access to the site is via
from Highway #53.
a two-track dirt road. The site is approx. nine miles north of Grants, N.M. and about
1.25 miles northeast of the nearest residence. Cattle tracks were noted around water
impounding excavations located on private land mines to the east of this site; however,
there was no evidence of livestock on this parcel. Birds & small mammals were the
only evidence of wildlife. The mine is located approx. 500 feet south of an arroyo. This arroyo
is the major drainage into a 2nd stock tank (earthen), which is located a little more than a mile west
of the site. This could represent a potential contamination pathway; however, erosion appeared minimal (recent)
There was no evidence of human

Physical Site Characteristics: This mine is an open pit surface mine which contained two or more small deposits in the Todilto Limestone. Several trenches were mined throughout the site. These trenches were 15-20 feet wide and 6-10 feet deep. None of these trenches were impounding water; however, much more disturbance took place on the private land mine area to the east (E½ sect. 4) and some water is impounded in these excavations. Several small waste piles were placed along the trenches and along the mesa rim on the north end of the site, where apparently the rim was ripped to allow further testing. Very minimal oxidation was evident in stockpiled material. Most of the trench walls are nearly verticle, but show minimal signs of erosion and appear fairly stable. No measures were taken to specifically restrict access to the site. Site reclamation would require backfilling waste piles into trenches and sloping the remaining trench wall to at least 3:1. Seeding would not be feasible, since topsoil ~~is not~~ does not exist in the areas of excavation and other disturbed areas have revegetated through natural succession.

Radiation Readings: Due to mining disturbance on adjacent private lands, it was necessary to take the background gamma radiation reading approx. .25 to the north of this site. The background reading was 6-8 micro Roentgens per hour (μR/hr.). No readings were taken along the access road, since the road was located on private land (mine area) to the east. Readings around the mine site's perimeter ranged from 18-80 μR/hr. Readings of 18-30 μR/hr. were obtained, except along the northern perimeter which may have been ripped for testing. These readings ranged from 30-80 μR/hr. Radiation readings of the excavated trenches ranged from 200 μR/hr. Waste piles gave readings of 40-140 μR/hr. See Mine Site Map Attached

Remarks: This mine site is probably less than 5% of the total mine area located on adjacent private lands in the E½ of sec. 4 and the N½ of section 9. Physical safety hazards are limited to the verticle highwalls in trenches that are a max of 10 feet deep; however, the walls appear to be stable with a minimum of erosion.

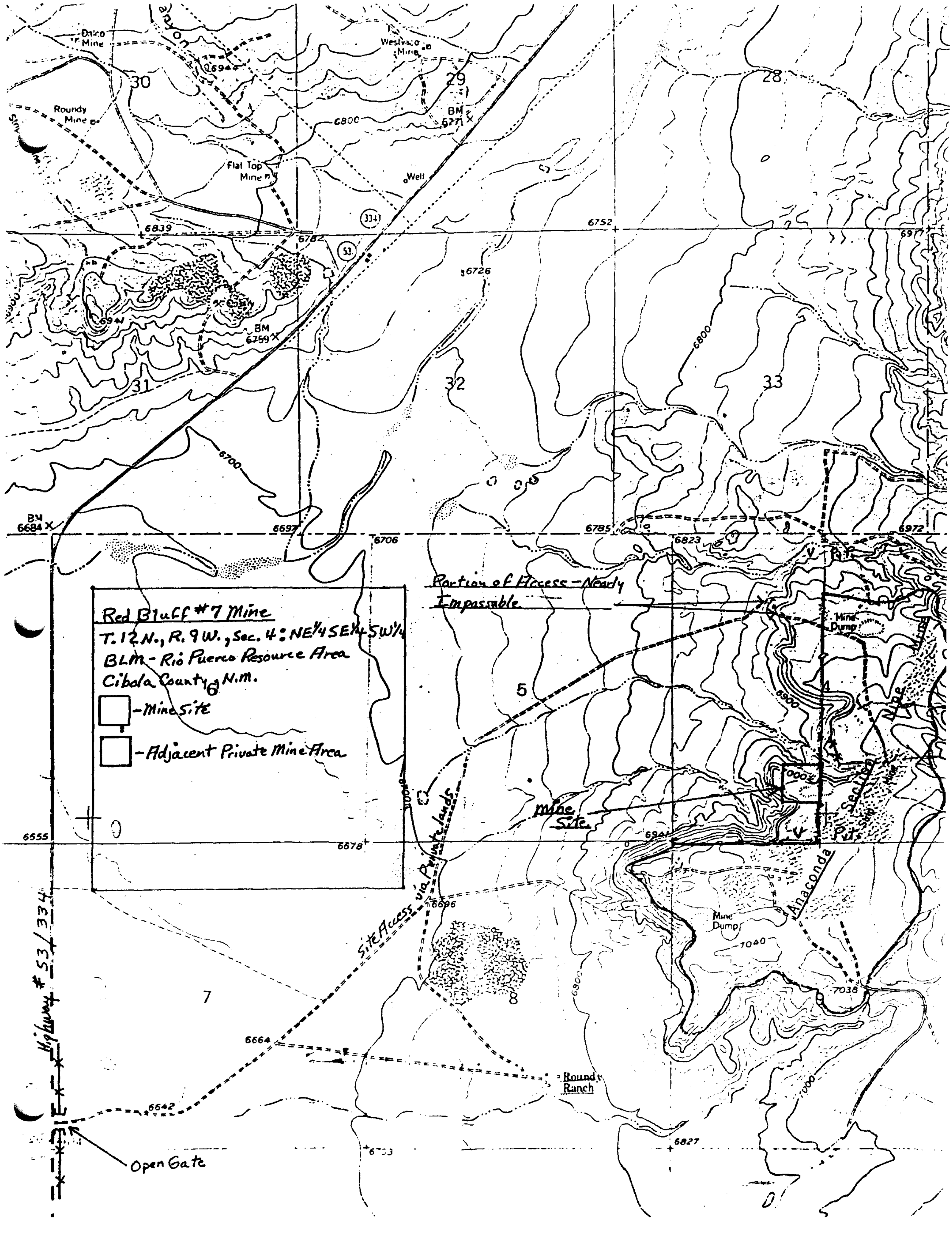
Time:

Pre-inspection: 2 ; travel: 6 ; inspection: 1.5 ;

post-inspection: 2.5 .

Vic Gizzi
Inspectors signature

8-20-87
Date of inspection


Red Bluff #7 Mine
T.12N., R.9W., Sec. 4: NE1/4 SE1/4 SW1/4
BLM - Rio Puerco Resource Area
Cibola County, N.M.
-Mine Site
-Adjacent Private Mine Area
Portion of Access - Nearly Impassable
Mine Site
Site Access via Private lands
Highway # 53/334
Open Gate
Section Nine Mine
Anaconda Pits
Mine Dump
Mine Dump
Roundy Ranch
Roundy Mine
Flat Top Mine
Westvaco Mine
Well
30
29
28
31
32
33
6
5
4
7
8
6839
6782
6752
6726
6759
6941
6800
6700
6684
6697
6706
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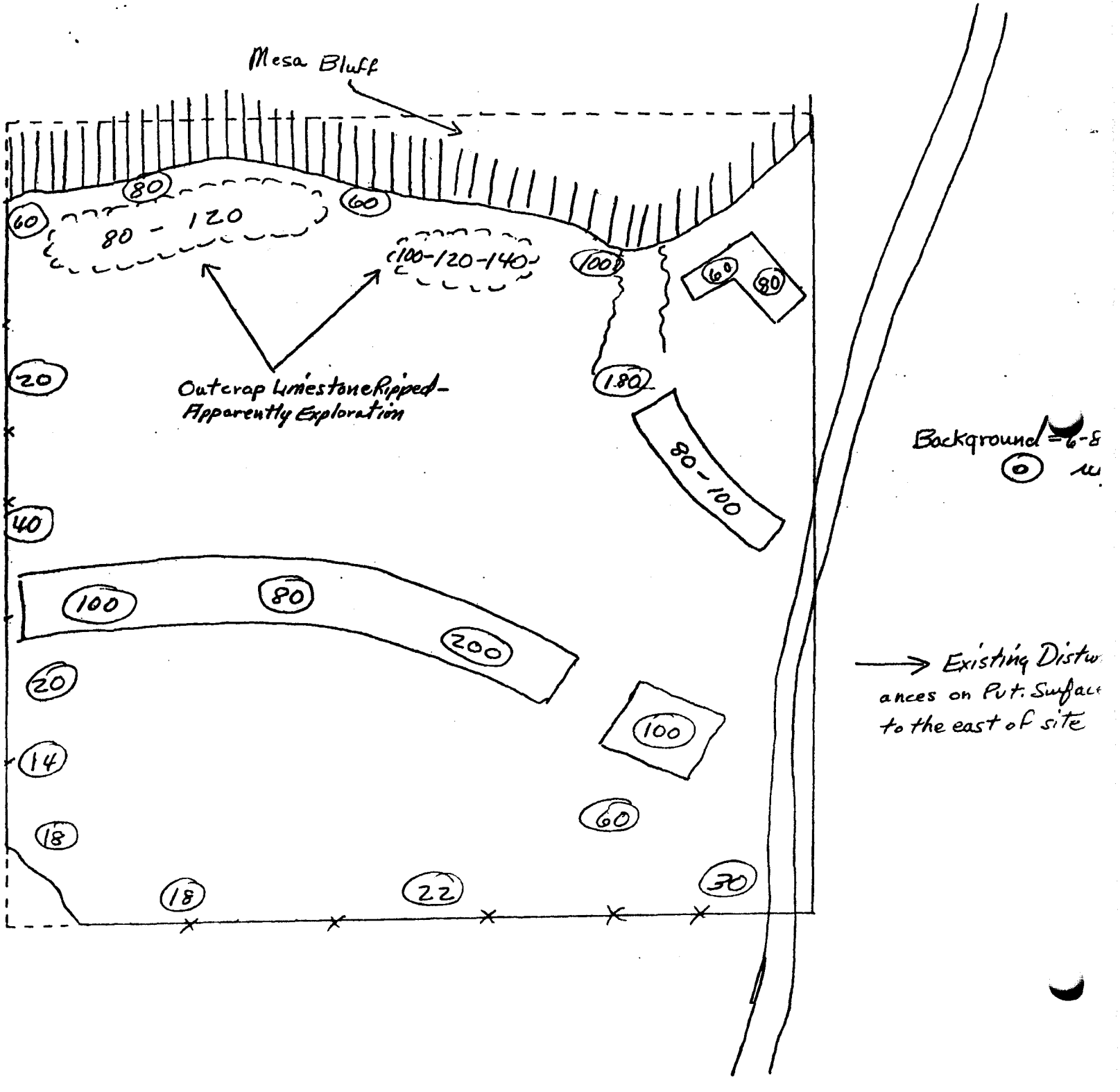
6642
6827
7040
7038
7000
6900
334
53


N
Mesa Bluff
80
60
60
80 - 120
100-120-140
100
60
80
20
Outcrop Limestone Ripped -
Apparently Exploration
180
80-100
Background
40
100
80
200
20
100
14
60
18
18
22
30
Existing Distu
ances on Put. Surfac
to the east of site

Form 3060–1
(July 1984)
(formerly 3980–1)

Serial Number

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MINERAL REPORT

PILOT PROJECT

FIELD REPORT: HAZARDOUS WASTE INVENTORY

ABANDONED URANIUM MINES

McKINLEY COUNTY, N.M.

(Title)

LANDS INVOLVED

SEE ENCLOSED MAP

Prepared By:

Frederick P. Lister

(Signature)

MINERAL EXAMINER/GEOLOGIST

(Title)

SEPTEMBER 9, 1985

(Date)

Technical Approval:

(Signature)

(Title)

(Date)

Management Acknowledgement:

(Signature)

AREA MANAGER

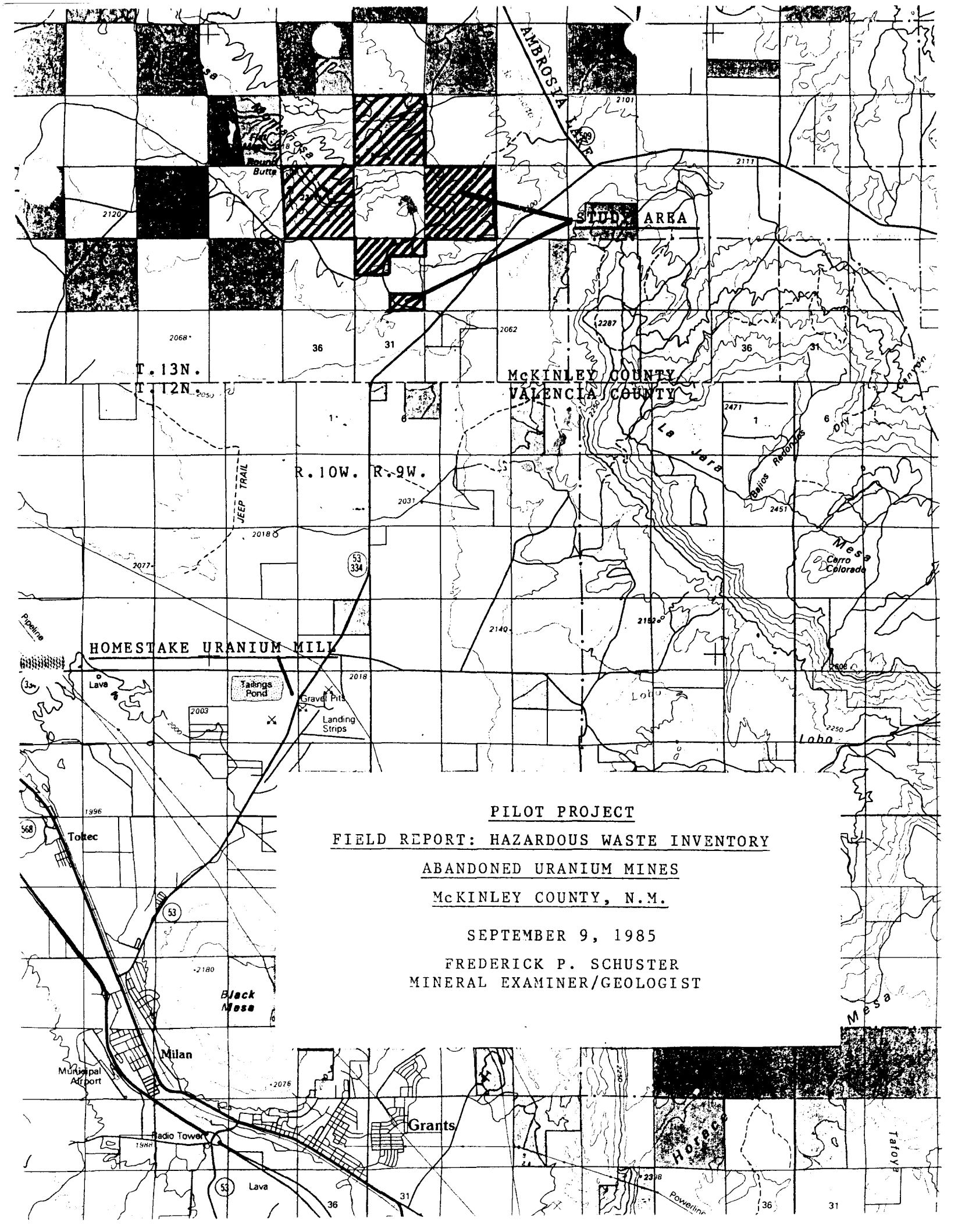
(Title)

9/9/85

(Date)

I. INTRODUCTION:

The purpose of this pilot project was to assess selected abandoned uranium mines existing on Federal lands for possible radiation and safety hazards that may endanger or affect the general public. This pilot project will be used by the Bureau to evaluate the hazards found and to determine if further effort should be expended to inventory other uranium mines and to appropriate money for reclamation. All mines of concern are those that exist on Federal lands or lands within patented surface with Federal reserved minerals and were mined prior to the passage of the Federal Land Policy and Management Act (P.L. 94-579, Oct. 21, 1976) and the subsequent issuance of the 43 CFR 3809 regulations. Mines abandoned prior to the passage of FLPMA are the responsibility of the Federal Government to reclaim unless mining again commences. Given the extremely poor condition of the American uranium industry at the present time, the probability of mining these claims within the next 5-10 years is poor at best.



PILOT PROJECT

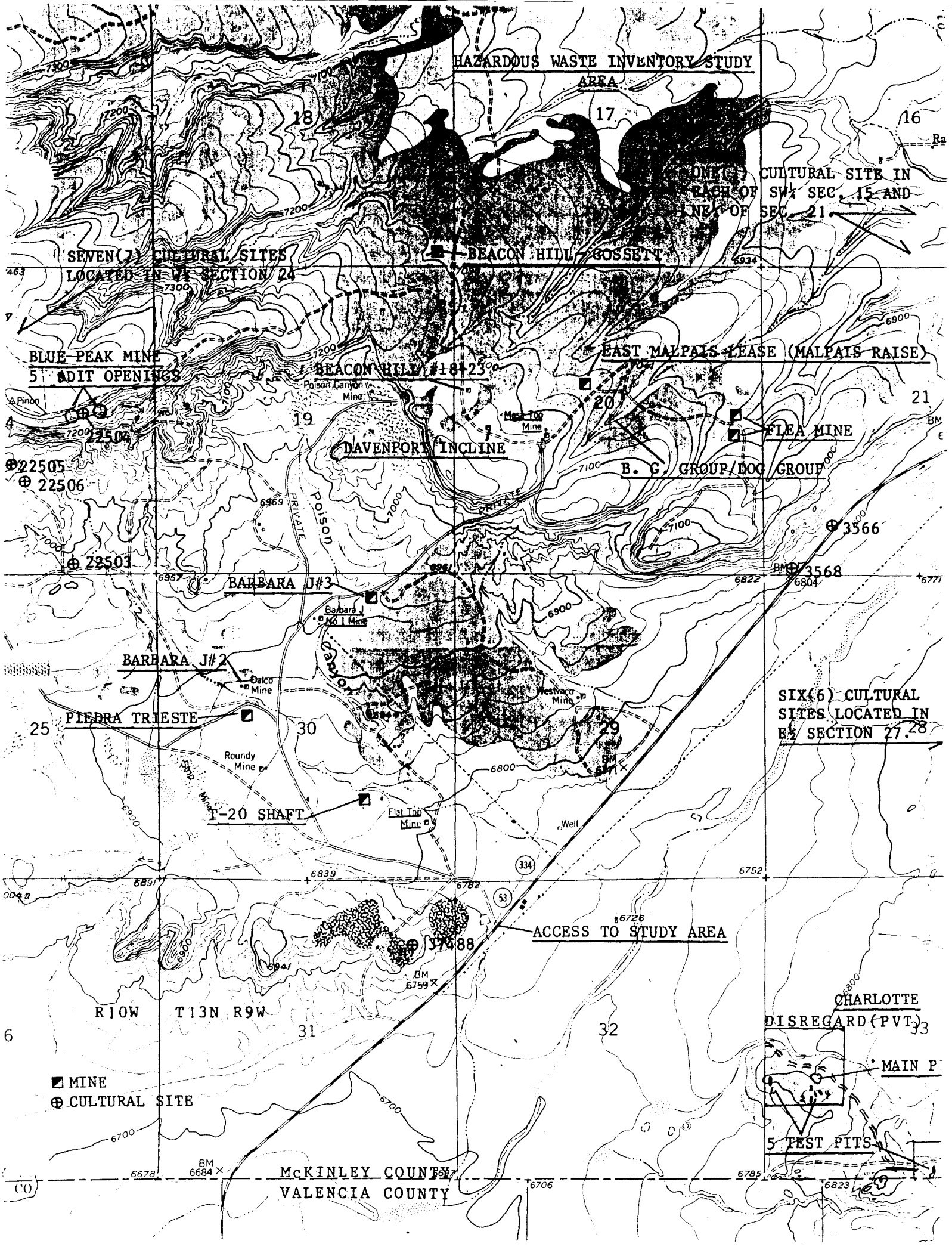
FIELD REPORT: HAZARDOUS WASTE INVENTORY

ABANDONED URANIUM MINES

McKINLEY COUNTY, N.M.

SEPTEMBER 9, 1985

FREDERICK P. SCHUSTER
MINERAL EXAMINER/GEOLOGIST


HAZARDOUS WASTE INVENTORY STUDY AREA
ONE(1) CULTURAL SITE IN EACH OF SW¼ SEC. 15 AND NE¼ OF SEC. 21
SEVEN(7) CULTURAL SITES LOCATED IN W½ SECTION 24
BEACON HILL - GOSSETT
BLUE PEAK MINE
5 ADIT OPENINGS
BEACON HILL #1
EAST MALPAIS LEASE (MALPAIS RAISE)
FLEA MINE
DAVENPORT INCLINE
B. G. GROUP/DOG GROUP
22504
22505
22506
22503
3566
3568
BARBARA J#3
BARBARA J#2
PIEDRA TRIESTE
T-20 SHAFT
SIX(6) CULTURAL SITES LOCATED IN E½ SECTION 27.28
ACCESS TO STUDY AREA
37488
CHARLOTTE
DISREGARD (PVT.)
MAIN P
5 TEST PITS
R10W T13N R9W
MINE
CULTURAL SITE
McKINLEY COUNTY
VALENCIA COUNTY
Poison Canyon Mine
Mesa Top Mine
Barbara J No 1 Mine
Dalco Mine
Roundy Mine
Flat Top Mine
Westvaco Mine
Well
PRIVATE
Poison Canyon

II. SITE SELECTION:

Twenty-four sites were selected by the District Minerals Staff and information about the mines was obtained from the State of New Mexico report OF-193 titled Uranium and Thurium Occurrences in New Mexico. During the field work one site was located that was not on the selection list (Mesa Top Mine) and one site was removed due to inaccessability and insignificance (Bobcat Mine - 50 ft. trench mined in 1956).

Fifteen sites were located on the Dos Lomas 7½ minute quadrangle. As indicated above one site was deleted and one added. An additional site was deleted because it is located on private land (Charlotte Mine). Another site (White Cap) was deleted because it was mined through the Barbara J#2 mine and no surface disturbance existed from its mining. Two sites (Dog Group and BG Group) were combined into a single site since they were mined from the same adit.

Three sites were located on the Ambrosia Lake 7½ minute quadrangle. Two sites in Section 20, T. 14 N., R. 9 W., were deleted because both areas were mined thru shafts on adjacent private lands. No surface disturbance was caused by the mining of these two areas save recent in-situ mining operations. Injection/withdrawal well heads remain on these two areas but fall under the 3809 regulations for reclamation. The remaining site in Section 26, T. 14 N., R. 10 W., NE¼NE¼ was deleted because it was found to be on patented lands (patented in 1982). The three designated sites on the Goat Mountain 7½" quandrangle were deleted because all were on patented lands owned by the Quivira Mining Company (old Kerr-McGee Company) or the Homestake Mining Company. This was learned during consultation with the Quivira Mill Superintendent and verified from the MTP's.

Due to errors in the computer generated overlays some sites that were investigated had no surface disturbance or were on private lands.

III. FIELD METHODS:

An initial reconnaisance of the study area was accomplished to note accesses to the areas and roads open to the public in and around the designated sites, residences close by, active and inactive mining operations, mill sites, and to take background radiation readings. Major drainages were noted to determine if any periennial streams were draining the study area.

Section corners were located to help verify the location and relative position of each mine in relation to those around it. This was necessary to insure that mines in adjacent private lands were not mistaken for any of the subject Federal sites and to help locate the Federal sites that were listed but not mapped on the Quadrangle. Both the NW and NE corners of Section 30, T. 13 N., R. 8 W., were located and the NW corner of Section 20 was located. A tentative corner was located for the NE corner of Section 20 which consisted of a metal pipe with a steel cap with a cross hatch (this was not a survey marker). An inferred corner for the SE corner of Section 30 was located at a fence corner by using the quadrangle map to determine its approximate location.

A walk around inspection was accomplished both on the site itself and around the site to locate any subsidence or openings not readily discernable from the map or from the site itself. Each site was sketched and photographed. Radiation readings were taken around structures, foundations, shafts, adits, and on waste piles. Where radioactive wastes were obviously eroding into drainage paths readings were taken downstream to determine if solid waste were contaminating the runoff.

Radiation reading were taken near each facility that was sketched and readings were taken randomly on the areas containing waste piles and waste distributed on the flat working areas as gravel. Generally, small "hot" spots were ignored in favor of more average readings for areas within a mining site. Larger "hot" spots were recorded as they were considered more significant to the exposure of anyone visiting the site. Significantly low readings were also recorded.

IV. ENVIRONMENTAL OR SAFETY HAZARDS:

A. POPULATION:

There is no doubt that people living in, traveling through, or visiting the study area are exposed to increased levels of radiation. What effects this increased radiation has on the population will not be addressed here as the purpose of this pilot project was only to identify areas with increased radiation levels. What effects (if any) these increased levels may have are properly evaluated by medical and/or environmental personnel experienced in radiation work.

The road to Amborsia Lake is heavily traveled by people employed in the mills and mines located there. The dirt road through the study area is used by local residents who live on private and Indian allotted lands west of the area. During the field work one Grants resident was seen to be hauling flat sandstone rock from uranium strip mines located on private lands south of and adjacent to the study area. The resident was stopped and gave his permission to check the rock for radiation. Although none of the rock was found to contain uranium the potential exists for the removal of radioactive waste by local residents for various home uses, such as patio construction (as was the intention of this resident) or driveways. Another resident was met at the Barbara J#2 mine. He was found to be taking waste rock (LS) from the pile located at the site (approximately 8-12 inches across) professedly for placing in the drainage ditch under this driveway to stop erosion. One specimen taken gave a reading of 300 μR/HR.

During the field work numerous vehicles were observed traveling the dirt roads in the area. Upon talking with the grazing allottee in Section 20, it was found that he has problems with people cutting wood and killing his cattle. The study area was found to be heavily traveled or used by local residents for many varied purposes.

B. WATER IMPACTS:

Although several areas were located where radioactive waste was undergoing heavy erosion the readings taken downstream in the arroyos were found to have very little radiation increase above background. This was true even though some of the eroding waste gave reading as high as 1500 μR/HR. One possibility for this is that the uranium oxides being released from the deteriorating waste is dissolving in the water rather than being washed away as a suspension. This would account for the low readings.

C. WILDLIFE:

Rabbits and birds were abundant throughout the area. Many of the radioactive waste piles were found to be honeycombed with rabbit dens. Deer tracks were noticed on several sites but were relatively rare.

D. DOMESTIC ANIMALS:

Three types of domestic animals were in evidence in the study area: cattle, goats, and horses. One dead cow was found in the subsidence west of the Flat Top Mine. Death was obviously caused by not being unable to climb out of the pit caused by the subsidence. No horses were seen in the area but horse droppings were found on most sites. A goat herd was observed moving through the area.

E. SAFETY:

Safety hazards occur where several adits and shafts are open and accessable. Even those closed with steel grates and platting can be reopened with only a minimum of effort. In many cases chain link fencing placed over adit or shaft entrances were found to be removed or even cut. None of the methods found to restrict access to the mines studied are considered permanent. A tow chain and pickup truck could easily remove the steel grates welded over shafts. A simple pair of pliars could and have been used to cut through chain link fencing. Boards placed over shafts were found to be completely rotten and more of a danger than a safety precaution. Many people (especially children) equate old mines with naturally formed caves. Of course, nothing could be farther from the truth. Most people are not aware of the extreme dangers and instability of man made "caves" (mines) and some periodically enter these mines to "explore".

That there is a definite safety hazard at many of these mines there can be no doubt. In this writers opinion, reclamation, if undertaken, could be justified based solely on eliminating these hazards if not the radiation problem.

V. TOPOGRAPHY:

The topography can best be seen in the air photo reproduced in the geology section of this report. Generally in the study area the dipping Dakota formation and Entrado SS form ridges separated by gently sloping flatlands.

VI. VEGETATION:

Generally the lower flatlands in the study area were covered by grasslands while the higher elevations contained good stands of pinion-juniper evergreen trees. Many of the disturbed mine areas were being revegetated by pioneer type vegetation while older sites are revegetated with annual forbs and periennial forbs and grasses.

VII. GEOLOGY:

The geology of the Grants and Ambrosia Lake uranium areas has been the subject of many reports by the USGS, NM State Bureau of Mines and Minerals Resources, Energy Department, and numerous other agencies. Selected excerpts are presented here for convience sake from Memoir 15, Geology and Technology of the Grants Uranium Region, New Mexico Bureau of Mines, and Bulletin 87, Mineral and Water Resources of New Mexico, USGS.

MEMOIR 15:

REGIONAL and LOCAL STRATIGRAPHY OF URANIUM-BEARING ROCKS

Lowell S. Hilpert

The Grants uranium region encompasses the two most productive sedimentary uranium mining districts in the state, Ambrosia Lake in the west, and Laguna in the east. U.S. Highway 66 extends northwesterly through the southern part of the area and the principal towns, Grants and Laguna, are on the highway in the western and eastern parts, respectively.

This paper presents the regional stratigraphy of the uranium-bearing rocks in the Grants region and the stratigraphic relations between the Grants and Laguna districts.

GEOLOGIC SETTING

The Grants uranium belt is flanked on the north-northeast by the San Juan Basin, on the east by the Rio Grande trough, and on the south and west by the Acoma sag and the Zuni uplift (Kelley, this memoir, fig. I; Laverty et al., this memoir, fig. I). The sedimentary rocks exposed in the area range in age from Pennsylvanian to Cretaceous and rest on the Precambrian core of the Zuni uplift. Associated intrusive and extrusive rocks of the Mount Taylor and Zuni volcanic fields are of Tertiary and Quaternary ages. Regional dip of the sedimentary rocks is generally northward toward the San Juan Basin, but it arcs from northeastward in the Grants district to northwestward in the Laguna district. This regional attitude is modified locally by normal faults and minor folds.

STRATIGRAPHY

Of the sedimentary rocks that are exposed in the area, mineable uranium deposits are found only in those of Jurassic and Cretaceous ages. These rocks are, in ascending order, the Entrada Sandstone,

Todilto Limestone, Summerville Foramtion, and Bluff Sandstone of the San Rafael Group, and the Morrison Formation, all of Late Jurassic age; and the Dakota Sandstone, of Early and Late Cretaceous age (table I). This sequence is about 1000 to 1500 feet thick and rests on either the Wingate Sandstone of the Glen Canyon Group or on the Chinle Formation, both of Late Triassic age. The Morrison Formation and Todilto Limestone are described and discussed in greater detail because they have yielded nearly all the ore and probably contain more than 95 percent of the reserves.

MINERALOGY

H. C. Granger

ABSTRACT

Uranium deposits in the Grants mineral belt occur over a wide area in rocks of several ages. Most of the deposits are in the Todilto Limestone, Morrison Formation, or Dakota Sandstone. The mineral assemblages of deposits in each host rock can be divided into unoxidized and oxidized groups that generally correspond to primary and secondary minerals. Minerals in the Westwater Canyon Member of the Morrison Formation, however, can be divided into two groups of unoxidized minerals and two principal groups of oxidized minerals.

Coffinite and uraninite are the most important unoxidized uranium minerals in each of the host rocks. The suites of secondary uranium minerals can vary a great deal, depending in part on local concentrations of vanadium, carbonate, and sulfate ions.

Although the mineral assemblages of the deposits show wide differences in detail, there is an overriding similarity. This similarity may be of even greater importance than the differences when the geochemistry of the deposits is considered.

BULLENTIN 87:

PENECONCORDANT DEPOSITS

L. S. Hilpert

Uranium deposits in New Mexico occur in rocks of many ages and lithologic types. Two general types of deposits, peneconcordant and vein, occur in New Mexico. The most abundant, largest, and most productive are the peneconcordant deposits (Finch, 1959a). These occur in sedimentary rocks and are nearly concordant (parallel) to the bedding. The deposits are found most often in thick fluvial sandstone and conglomeratic sandstone which has been bleached gray or stained brown. Such deposits have been referred to as sandstone-type deposits. To a lesser extent, penconcordant deposits occur in lignite and carbonaceous shale, and in limestone. The deposits are roughly tabular to lenslike, tending to be elongate and parallel, or nearly so, to such sedimentary features as sandstone lenses and bedding structures. Most

of the deposits are restricted to certain favorable stratigraphic units, where they occur in clusters, and these clusters in turn tend to occur in belts. The recognition of these features is useful in exploration for hidden deposits and in making resource appraisals. Size of the deposits ranges from local masses that contain less than a ton of material to large masses that contain as much as several million tons. The grade ranges from trace amounts to several percent uranium but the average grade of the ore is about 0.25 percent U_3O_8.

VIII. CULTURAL SITES:

There are several cultural sites located in and around the study area. Seven are listed on the map at the beginning of this report. The following sites are located just off the map:

W½ Section 24:	22498
	22499
	22500
	22501
	22502
	22508
	22509
E½ Section 27:	16780
	16781
	16782
	16783
	16788
	16795
NE¼ Section 34:	16784

IX: PALEONTOLOGICAL RESOURCES:

There has been no paleontological survey accomplished in or around the study area. Some of the limestone beds are known to contain some invertebrate fossils but their relative significance is not known at this time. There are no known impacts on vertebrate fossils.

URANIUM MINE INVENTORY INSPECTION

PHASE I

I. MINE NAME(S): Barbara J. #1

II. LOCATION: T. 13 N, R. 9 W, SEC. 30, NW¼NE¼, NMPM. COUNTY: McKinley

LONG. 35° 19' 55" N LAT. 107° 49' 45" N

MINING DIST.: Grants SUBDIST. Ambrosia Lake

USGS QUADRANGLE MAP: Dos Lomas 7½' (ATTACH COPY).

==========

III. PRODUCTION: YEAR(S): 1956-1957; 1968

TONS OF ORE: 8691 LBS U PRODUCED: 52,631 U_3O_8

ORE GRADE: .26%

COPRODUCED MINS/METALS: V_2O_5

QUANTITY PRODUCED: 14,830 lbs.

==========

IV. OPERATORS: MidContinent Uranium Company

==========

V. LAND STATUS: [X] FEDERAL SURFACE [ ] PRIVATE SURFACE [ ] OTHER

[X] FEDERAL MINERAL [ ] PRIVATE MINERAL [ ] OTHER

COMMENTS:

==========

VI. CLAIM INFORMATION: CLAIM COVERING MINE SITE?: [X] YES [ ] NO

IF YES: SERIAL NUMBERS: 126256

DATE OF LOCATION: Relocated 6/29/83

HISTORY OF ASSESSMENT WORK: Chain of assessment work broken in 1982. Claim relocated June 29, 1983. Current Proof of Labor filed Sept. 1984.

3809 NOTICE FILED?: [ ] YES [X] NO

MINING PLAN FILED?: [ ] YES [X] NO - IF YES, PLAN NO.

PROPOSED WORK:

PATENT APPLIED FOR?: [ ] YES [X] NO - STATUS:

==========

VII. ENVIRONMENTAL SITE CHARACTERISTICS:

1. VEGETATION(ON SITE): Area completely revegetated with grasses and some sagebrush.

2. VEGETATION(OFF SITE): Grasslands with Pinon/Juniper stands.

3. TOPOGRAPHY:

4. ACRES DISTURBED 7 acres.

5. PALEO. SITE NEARBY: / / YES / / NO-

6. ARCH SITE NEARBY: / / YES / / NO-

7. IS SITE EASILY ACCESSABLE: /X/ YES / / NO - EXPLAIN: Dirt access road into site off the Ambrosia Lake road.

8. NEAREST: RESIDENCE 1.5 Mi. DIRT ROAD .2 Mi.
PAVED ROAD 1.1 Mi. POP. CENTER 15 Mi.

9. SIGNS OF GRAZING BY CATTLE OR WILDLIFE: / / YES /X/ NO

10. WILDLIFE OBSERVED: /X/ YES / / NO - SPECIFY: Abundance of rabbits & birds.

11. DISTANCE TO NEAREST DRAINAGE 300 Ft.; PONDS Ft.
SIZE OF IMPOUNDMENT

12. EROSION OBSERVED: / / YES /X/ NO ; POTENTIAL CONTAMINATION PATHWAY: /X/ YES / / NO ; BEING USED: / / YES /X/ NO ; EVIDENCE OF SURFACE FLOW INTO MINE OPENINGS: / / YES /X/ NO

ADDITIONAL COMMENTS:

VIII. PHYSICAL SITE CHARACTERICS:

TYPE OF MINE: Vertical shaft--room and pillar.

OPENINGS PRESENT: /X/ SHAFTS # 1 /_/ AUDITS #_____ /X/ VENT HOLES # 1
/_/ DRILL HOLES #_____ SUBSIDENCE PRESENT /_/ YES /_/ NO

DEPTH OF SHAFTS 300 (Listed at) Ft. DIMENSION __X__ AUDIT DIMENSIONS __X__, __X__.

STEPS TAKEN TO RESTRICT ACCESS: Steel plate welded over pipe at surface.

CONDITION: Extensively rusted, but presently intact. Time could deteriorate welds.

WASTE PILES: /_/ YES /X/ NO - TYPE OF MATERIAL:

OXIDATION OR SALTS OBSERVED: /_/ YES /X/ NO

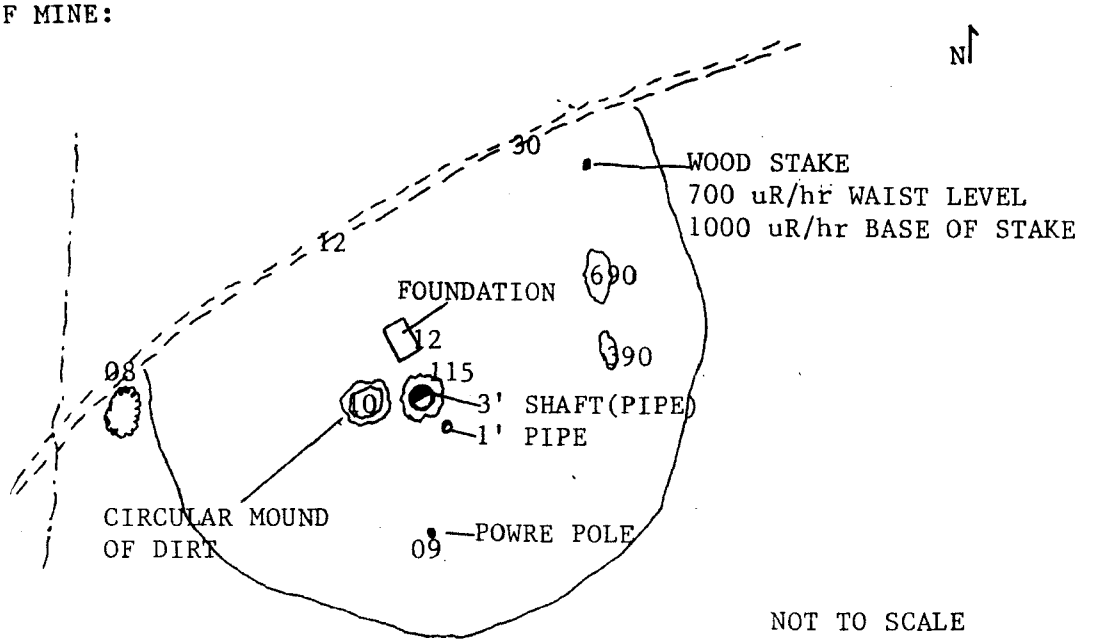
REVEGTATION: /X/ NATURAL /_/ VOLENTEER /_/ RECLAMATION PROGRAM

TRASH PRESENT ON SITE: /X/ YES /_/ NO Minor

ADDITIONAL COMMENTS: Site needs little work. Dumping LS ore into pipe and backfilling shaft is all that is necessary.

IX. RADIATION READINGS: BACKGROUND RADIATION_____uR/hr.

SKETCK OF MINE:



X. ADDITIONAL OBSERVATIONS: Mine filled with water.

TIME:

PRE-INSPECTION _____ TRAVEL _____ INSPECTION _____

POST INSPECTION _____

INSPECTORS SIGNATURE

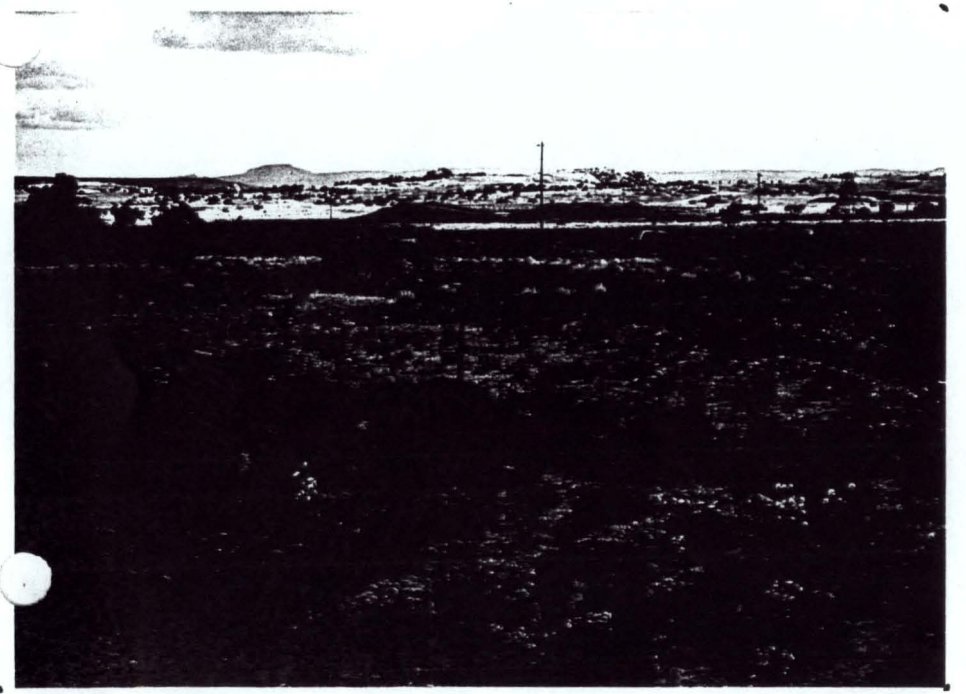
DATE OF INSPECTION

URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: Barbara J#1

DATE: 8/9/85 PHOTOGRAPHER F SCHUSTER



DESCRIPTION: View showing relation of this mine to the Barbara J#2 mine in upper right of photo and the Piedra Trieste mine in the upper center. Note stake in center of photo and waste scattered around the stake. Highest radiation readings were found at the base of this stake.

DESCRIPTION: View of pipe in shaft, dirt mound to the right, and the revegetation of the site. Note access road in foreground.

URANIUM MINE INVENTORY INSPECTION

PHASE I

I. MINE NAME(S): Barbara J. #2

II. LOCATION: T. 13 N, R. 9 W, SEC. 30, SE¼NW¼, NMPM. COUNTY: McKinley

LONG. 35° 19' 44" N LAT. 107° 50' 00" W

MINING DIST.: Grants SUBDIST. Ambrosia Lake

USGS QUADRANGLE MAP: Dos Lomas 7½' (ATTACH COPY).

==========

III. PRODUCTION: YEAR(S): 1957-1964; 1966-1968

TONS OF ORE: 58,448 LBS U PRODUCED: 232, 830 (308?) = U_3O_8

ORE GRADE: .20%

COPRODUCED MINS/METALS: Unknown

QUANTITY PRODUCED:

==========

IV. OPERATORS: MidContinent Uranium Corp.

==========

V. LAND STATUS: [X] FEDERAL SURFACE [ ] PRIVATE SURFACE [ ] OTHER

[X] FEDERAL MINERAL [ ] PRIVATE MINERAL [ ] OTHER

COMMENTS:

==========

VI. CLAIM INFORMATION: CLAIM COVERING MINE SITE?: [X] YES [ ] NO

IF YES: SERIAL NUMBERS: 126258

DATE OF LOCATION: Relocated 6/29/85

HISTORY OF ASSESSMENT WORK: Chain of assessment work broken in 1982. Claim relocated June 29, 1983. Current Proof of Labor filed Sept. 1984.

3809 NOTICE FILED?: [ ] YES [X] NO

MINING PLAN FILED?: [ ] YES [X] NO - IF YES, PLAN NO.

PROPOSED WORK:

PATENT APPLIED FOR?: [ ] YES [X] NO - STATUS:

==========

VII. ENVIRONMENTAL SITE CHARACTERISTICS:

1. VEGETATION(ON SITE): Grasses encroaching on disturbed site. Thirty percent revegetation.

2. VEGETATION(OFF SITE): Grassland with Pinon/Juniper.

3. TOPOGRAPHY: Rolling flats bounded on North and South by steep-sloped hills.

4. ACRES DISTURBED 8-10.

5. PALEO. SITE NEARBY: / / YES / / NO-

6. ARCH SITE NEARBY: / / YES / / NO-

7. IS SITE EASILY ACCESSABLE: /X/ YES / / NO - EXPLAIN: Dirt road off Ambrosia Lake road highly used by residents.

8. NEAREST: RESIDENCE 1.5 Mi. DIRT ROAD ON Mi.
PAVED ROAD 1 Mi. POP. CENTER 15 Mi.

9. SIGNS OF GRAZING BY CATTLE OR WILDLIFE: /X/ YES / / NO

10. WILDLIFE OBSERVED: /X/ YES / / NO - SPECIFY: Birds and rabbits abundant in area.

11. DISTANCE TO NEAREST DRAINAGE On-Site Ft.; PONDS None Ft.
SIZE OF IMPOUNDMENT

12. EROSION OBSERVED: /X/ YES / / NO ; POTENTIAL CONTAMINATION PATHWAY: /X/ YES / / NO ; BEING USED: / / YES /X/ NO ; EVIDENCE OF SURFACE FLOW INTO MINE OPENINGS: /X/ YES / / NO Caving at shaft.

ADDITIONAL COMMENTS: Headcutting by arroyo on SE side of site. No significant radiation readings above background found in arroyo downstream.

VIII. PHYSICAL SITE CHARACTERICS:

TYPE OF MINE: Underground shaft.

OPENINGS PRESENT: /X/ SHAFTS #_____ /_/ AUDITS #_____ /_/ VENT HOLES #_____
/_/ DRILL HOLES #_____ SUBSIDENCE PRESENT /_/ YES /X/ NO

DEPTH OF SHAFTS 460 (Listed) Ft. DIMENSION ___X___ AUDIT DIMENSIONS ___X___, ___X___.

STEPS TAKEN TO RESTRICT ACCESS: Drilling steel welded across opening.
Fenced with chain link fence.

CONDITION: Fence gate down. Steel grate intact.

WASTE PILES: /X/ YES /_/ NO - TYPE OF MATERIAL: LS & SH, 200-300. Cubic Yards

OXIDATION OR SALTS OBSERVED: /_/ YES /X/ NO

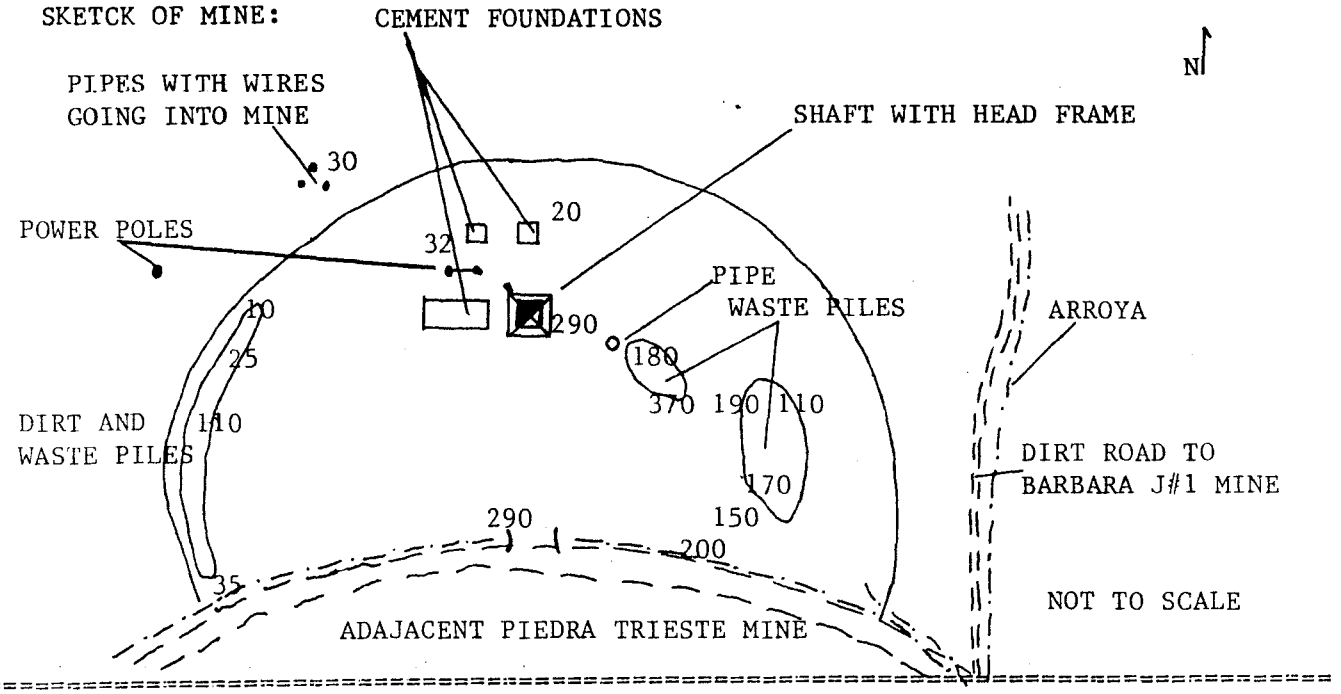
REVEGTATION: /X/ NATURAL /_/ VOLENTEER /_/ RECLAMATION PROGRAM

TRASH PRESENT ON SITE: /_/ YES /X/ NO

ADDITIONAL COMMENTS: Headframe with open shaft; entire site covered with LS, most low-grade ore from mine. Numerous small piles of LS scattered throughout area.

IX. RADIATION READINGS: BACKGROUND RADIATION 10 μR/hr.

SKETCK OF MINE:



X. ADDITIONAL OBSERVATIONS: Limiting factor: During inspection, wind was blowing from South across tailings piles of adjacent mine. This could cause higher than normal reading. Block of ore found giving 2,500 μR/HR reading.

TIME:

PRE-INSPECTION_____ TRAVEL_____ INSPECTION_____

POST INSPECTION_____

INSPECTORS SIGNATURE

DATE OF INSPECTION

URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: BARBARA J#2

DATE: 8/10/85 PHOTOGRAPHER F SCHUSTER

DESCRIPTION: View of west side of mine. Photo taken from waste pile of Piedra Trieste and waste in foreground from that mine.

DESCRIPTION: View of east side of mine site. Note goat herd moving accross mine site.

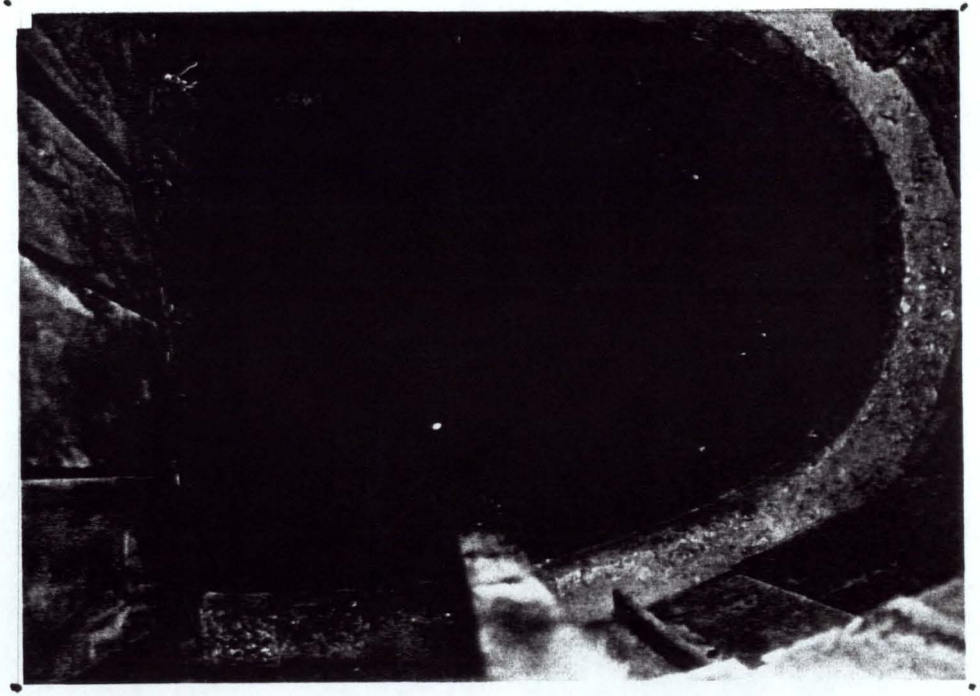
URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: BARBARA J#2

DATE: 8/10/85 PHOTOGRAPHER F SCHUSTER

DESCRIPTION: View of shaft entrance showing measures taken to restrict access to the mine. Water in shaft was measured to be 198 feet from the surface. It would not take much effort to break the weld on the door in foreground and gain access to the shaft.



DESCRIPTION: View directly down shaft. Shaft is open to level of water in mine.

URANIUM MINE INVENTORY INSPECTION

PHASE I

I. MINE NAME(S): Barbara J. #3

II. LOCATION: T. 13 N, R. 9 W, SEC. 30, NE¼NE¼, NMPM. COUNTY: Mckinley

LONG. 35° 21' 00" N LAT. 107° 49' 30" W

MINING DIST.: Grants SUBDIST. Ambrosia Lake

USGS QUADRANGLE MAP: Dos Lomas 7½' (ATTACH COPY).

==========

III. PRODUCTION: YEAR(S): 1959-1963; 1979-1980

TONS OF ORE: 102,128 LBS U PRODUCED: 485,719 U_3O_8

ORE GRADE: .23%

COPRODUCED MINS/METALS: Unknown

QUANTITY PRODUCED:

==========

IV. OPERATORS: Midcontinent Uranium Co.

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V. LAND STATUS: /X/ FEDERAL SURFACE /__/ PRIVATE SURFACE /__/ OTHER

/X/ FEDERAL MINERAL /__/ PRIVATE MINERAL /__/ OTHER

COMMENTS:

==========

VI. CLAIM INFORMATION: CLAIM COVERING MINE SITE?: /X/ YES /__/ NO

IF YES: SERIAL NUMBERS: 126260 or 126261

DATE OF LOCATION: Relocated 6/29/83

HISTORY OF ASSESSMENT WORK: Chain of assessment work broken in 1982. Claim relocated June 29, 1983. Current Proof of Labor filed Sept. 1984.

3809 NOTICE FILED?: /__/ YES /X/ NO

MINING PLAN FILED?: /__/ YES /X/ NO - IF YES, PLAN NO.

PROPOSED WORK:

PATENT APPLIED FOR?: /__/ YES /X/ NO - STATUS:

==========

VII. ENVIRONMENTAL SITE CHARACTERISTICS:

1. VEGETATION(ON SITE): Grass revegetated, approximately 60%; canopy cover. Question production of 1979-1980. Vegetation on site older than 5 years.

2. VEGETATION(OFF SITE): Grassland, Pinon/Juniper stands.

3. TOPOGRAPHY: Rolling flats boarded on North and South by steep-sloped hills.

4. ACRES DISTURBED 5 acres.

5. PALEO. SITE NEARBY: / / YES / / NO-

6. ARCH SITE NEARBY: / / YES / / NO-

7. IS SITE EASILY ACCESSABLE: /X/ YES / / NO - EXPLAIN: Dirt road off Ambrosia Lake road.

8. NEAREST: RESIDENCE 1.5 Mi. DIRT ROAD .5 Mi.
PAVED ROAD 1.5 Mi. POP. CENTER 15 Mi.

9. SIGNS OF GRAZING BY CATTLE OR WILDLIFE: /X/ YES / / NO (Horses)

10. WILDLIFE OBSERVED: /X/ YES / / NO - SPECIFY: abundance of birds & rabbits.

11. DISTANCE TO NEAREST DRAINAGE 2,000 Ft.; PONDS ½ mi. Ft.
SIZE OF IMPOUNDMENT Small stock pond.

12. EROSION OBSERVED: / / YES /X/ NO ; POTENTIAL CONTAMINATION PATHWAY: /X/ YES / / NO ; BEING USED: / / YES /X/ NO ; EVIDENCE OF SURFACE FLOW INTO MINE OPENINGS: / / YES /X/ NO

ADDITIONAL COMMENTS: Site very good ecologically. Necessary reclamation should be limited to backfilling shaft with waste rock.

VIII. PHYSICAL SITE CHARACTERICS:

TYPE OF MINE: Underground

OPENINGS PRESENT: /X/ SHAFTS # 1 / / AUDITS # _____ /X/ VENT HOLES # 1
/ / DRILL HOLES # _____ SUBSIDENCE PRESENT / / YES / / NO

DEPTH OF SHAFTS 435 Ft. DIMENSION ___ X ___ AUDIT DIMENSIONS ___ X ___, ___ X ___.

STEPS TAKEN TO RESTRICT ACCESS: Steel plate 1/8"-thick welded over top of shaft and pipe.

CONDITION: Rusted but intact.

WASTE PILES: /X/ YES / / NO - TYPE OF MATERIAL: LS & Shale; 800 yd^3.

OXIDATION OR SALTS OBSERVED: / / YES /X/ NO

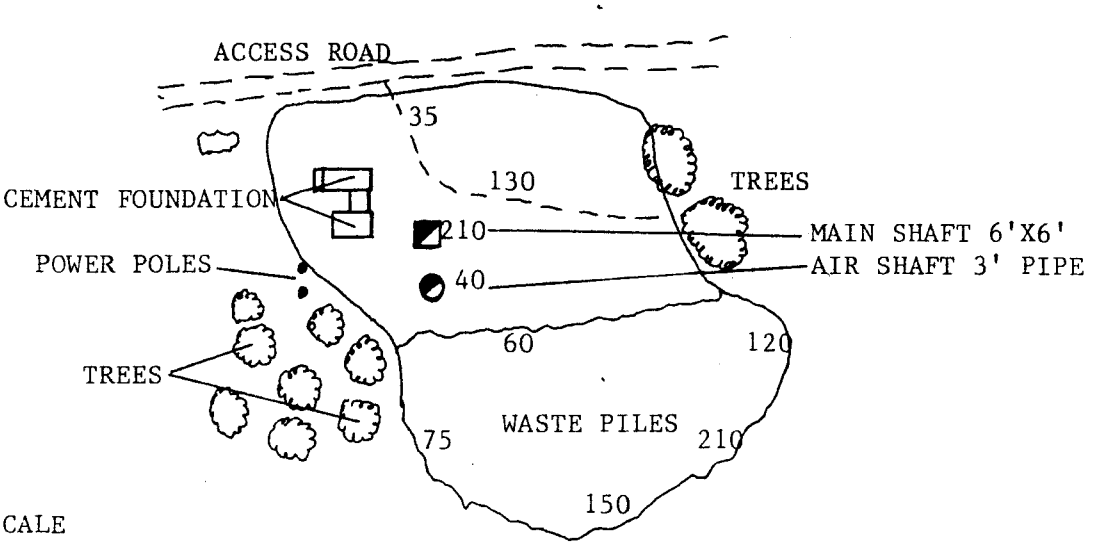
REVEGTATION: /X/ NATURAL / / VOLENTEER / / RECLAMATION PROGRAM

TRASH PRESENT ON SITE: /X/ YES / / NO Old cable and equipment from mining.

ADDITIONAL COMMENTS: Mine filled with water.

IX. RADIATION READINGS: BACKGROUND RADIATION 10 μR/hr.

SKETCK OF MINE:



NOT TO SCALE

X. ADDITIONAL OBSERVATIONS: _____

_____

_____

_____

_____

_____

TIME:

PRE-INSPECTION _____ TRAVEL _____ INSPECTION _____

POST INSPECTION _____

_____ _____

INSPECTORS SIGNATURE DATE OF INSPECTION

URANIUM MINE INVENTORY INSPECTION

PHASE I

I. MINE NAME(S): Piedra Trieste (Piedra Lisa)

II. LOCATION: T. 13 N, R. 9 W, SEC. 30, SE¼NE¼, NMPM. COUNTY: McKinley

LONG. 35° 29' 35" N. LAT. 107° 50' 00" W.

MINING DIST.: Grants SUBDIST. Ambrosia Lake

USGS QUADRANGLE MAP: Dos Lomas (ATTACH COPY).

==========

III. PRODUCTION: YEAR(S): 1979-1980

TONS OF ORE: Unknown LBS U PRODUCED: Unknown

ORE GRADE: .4-.5%

COPRODUCED MINS/METALS:

QUANTITY PRODUCED:

==========

IV. OPERATORS: Todilto Exp. and Dev. Corp.

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V. LAND STATUS: /X/ FEDERAL SURFACE /__/ PRIVATE SURFACE /__/ OTHER

/X/ FEDERAL MINERAL /__/ PRIVATE MINERAL /__/ OTHER

COMMENTS:

==========

VI. CLAIM INFORMATION: CLAIM COVERING MINE SITE?: /X/ YES /__/ NO

IF YES: SERIAL NUMBERS: 126258 or 126259

DATE OF LOCATION: Relocated 6/29/83

HISTORY OF ASSESSMENT WORK: Chain of assessment work broken in 1982. Claim relocated June 29, 1983. Current Proof of Labor filed Sept. 1984.

3809 NOTICE FILED?: /__/ YES /X/ NO

MINING PLAN FILED?: /__/ YES /X/ NO - IF YES, PLAN NO.

PROPOSED WORK:

PATENT APPLIED FOR?: /__/ YES /X/ NO - STATUS:

==========

VII. ENVIRONMENTAL SITE CHARACTERISTICS:

1. VEGETATION(ON SITE): Grasses encroaching on areas of soil. Estimated 30-40% canopy cover. piles barren.

2. VEGETATION(OFF SITE): Grassland flats with Pinon/Juniper stands.

3. TOPOGRAPHY: Rolling flats borderd on N. and S. by steep Mesa slopes.

4. ACRES DISTURBED 15-20.

5. PALEO. SITE NEARBY: / / YES / / NO-

6. ARCH SITE NEARBY: / / YES / / NO-

7. IS SITE EASILY ACCESSABLE: /X/ YES / / NO - EXPLAIN: Well-used dirt road just off Ambrosia Lake pa ed road.

8. NEAREST: RESIDENCE 1.5 Mi. DIRT ROAD ON Mi.
PAVED ROAD .8 Mi. POP. CENTER 15 Mi.

9. SIGNS OF GRAZING BY CATTLE OR WILDLIFE: /X/ YES / / NO

10. WILDLIFE OBSERVED: /X/ YES / / NO - SPECIFY: Numerous rabbits and birds in area.

11. DISTANCE TO NEAREST DRAINAGE Adjacent Ft.; PONDS None Ft.
SIZE OF IMPOUNDMENT

12. EROSION OBSERVED: /X/ YES / / NO ; POTENTIAL CONTAMINATION PATHWAY: /X/ YES / / NO ; BEING USED: / / YES /X/ NO ; EVIDENCE OF SURFACE FLOW INTO MINE OPENINGS: /X/ YES / / NO Flow-down access and off-side benches.

ADDITIONAL COMMENTS: Mine is constructed in such a way that all rain hitting the mine area is funneled into the mine opening.

VIII. PHYSICAL SITE CHARACTERICS:

TYPE OF MINE: 1,000 ft. delcine

OPENINGS PRESENT: /_/SHAFTS #____ /X/AUDITS # 1 /_/VENT HOLES #____
/_/DRILL HOLES #____ SUBSIDENCE PRESENT /X/ YES /_/ NO

DEPTH OF SHAFTS____ Ft. DIMENSION__X__ AUDIT DIMENSIONS 10 X 10, __X__.

STEPS TAKEN TO RESTRICT ACCESS: Chain link fence around opening and drilling steel over opening.

CONDITION: Partial cave-in around entrance. Fence intact.

WASTE PILES: /X/ YES /_/ NO - TYPE OF MATERIAL: Mostly LS with some shale.

OXIDATION OR SALTS OBSERVED: /_/ YES /X/ NO

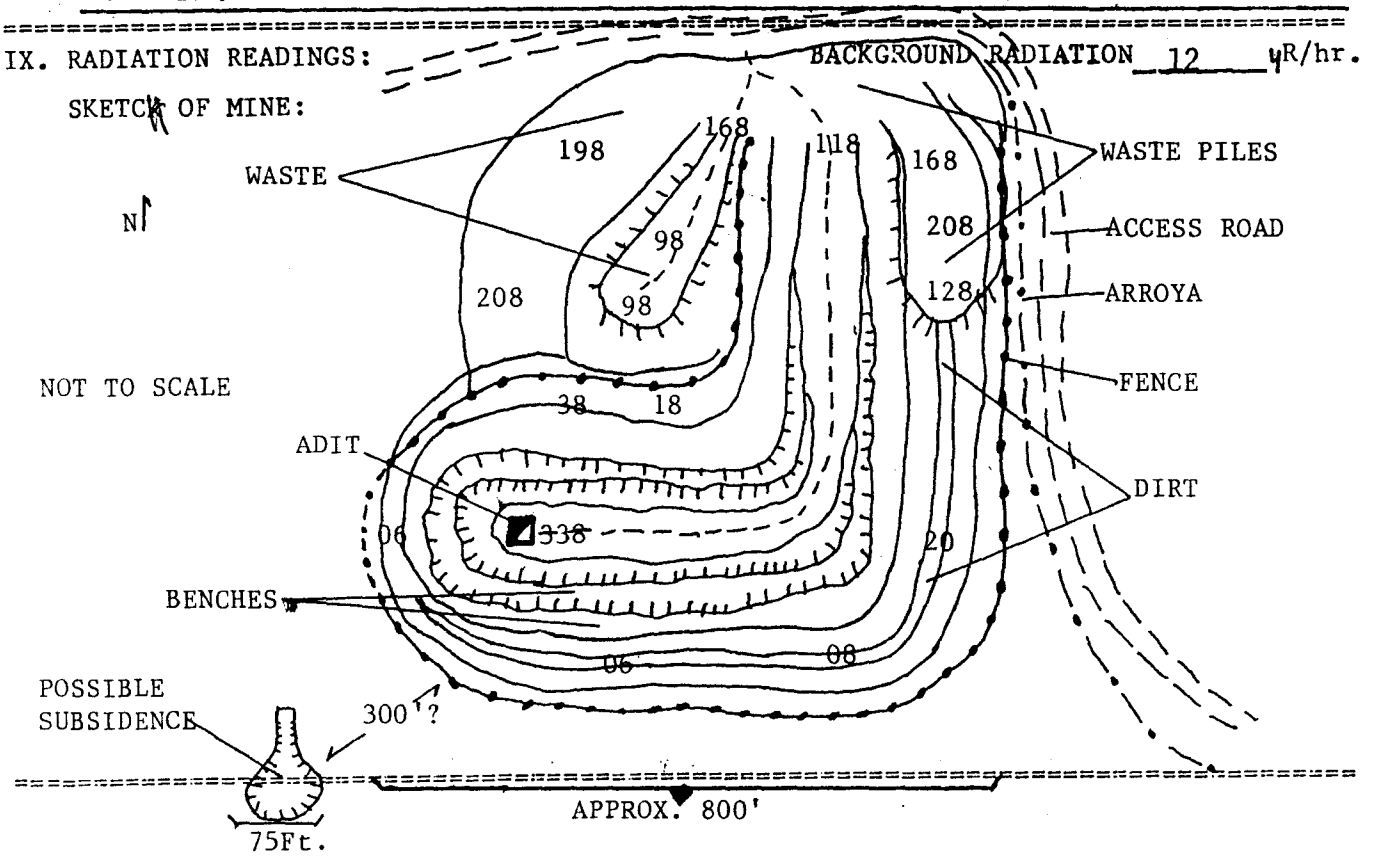
REVEGTATION: /X/ NATURAL /_/ VOLENTEER /_/ RECLAMATION PROGRAM

TRASH PRESENT ON SITE: /_/ YES /X/ NO

ADDITIONAL COMMENTS: High radiation reading at Audit due to gasses coming out of mine.

IX. RADIATION READINGS: BACKGROUND RADIATION 12 µR/hr.

SKETCH OF MINE:



X. ADDITIONAL OBSERVATIONS: Subsidence located 300' SW of Audit. Several large (2') circular holes located around subsidence could be washing drill holes or auger holes. Some low areas around mine indicate more subsidence could be taking place.

TIME:

PRE-INSPECTION _____ TRAVEL _____ INSPECTION _____

POST INSPECTION _____

INSPECTORS SIGNATURE

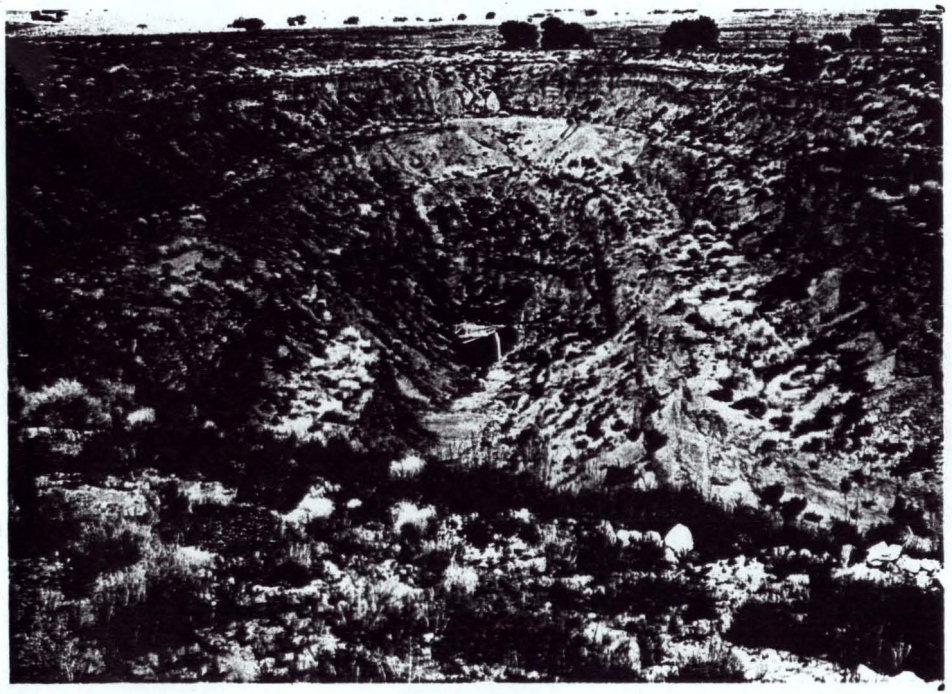
DATE OF INSPECTION

URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: PIEDRA TRIESTE

DATE: 8/14/85 PHOTOGRAPHER F SCHUSTER



DESCRIPTION: Veiw directly down slope into adit opening. Adit is open and air coming out of adit gave radiation reading of 350 uR/hr. Adit has chain link fence across entrance and has partially collapsed.

DESCRIPTION: View from west side of mine directly over adit opening. Note eroding benches and drainage down slope access. Slopes being revegetated.

URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: PIEDRA TRIESTE

DATE: 8/14/85 PHOTOGRAPHER F SCHUSTER

DESCRIPTION: View of waste pile on east side of mine. Note revegetation of soil in foreground and lack of vegetation on waste pile.

DESCRIPTION: View of western and largest waste pile. Note headframe of Barbara J#2 mine in right of photo.

URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: PIEDRA TRIESTE

DATE: 8/14/85 PHOTOGRAPHER F SCHUSTER

DESCRIPTION: View of access road leading into study area from top of waste pile. Note drainage along road which runs along the base of the waste pile. No increased radiation readings were found in the drainage. View is facing SE.

DESCRIPTION: Possible subsidence 300 feet SW of adit.

URANIUM MINE INVENTORY INSPECTION

PHASE I

I. MINE NAME(S): Flat Top Mine (Fife and Bailey; Vilatie Hyde)

II. LOCATION: T. 13 N, R. 9 W, SEC. 30, SE¼SE¼, NMPM. COUNTY: McKinley

LONG. 35° 19' 18" N LAT. 107° 49' 48" W

MINING DIST.: Grants SUBDIST. Ambrosia Lake

USGS QUADRANGLE MAP: Dos Lomas 7½' (ATTACH COPY).

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III. PRODUCTION: YEAR(S): 1955-1966

TONS OF ORE: 49,663 LBS U PRODUCED: 216,486 U_3O_8

ORE GRADE: .122%

COPRODUCED MINS/METALS: V 205

QUANTITY PRODUCED: 66,126 lbs.

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IV. OPERATORS: Holly Uranium Company

==========

V. LAND STATUS: [X] FEDERAL SURFACE [ ] PRIVATE SURFACE [ ] OTHER

[X] FEDERAL MINERAL [ ] PRIVATE MINERAL [ ] OTHER

COMMENTS:

==========

VI. CLAIM INFORMATION: CLAIM COVERING MINE SITE?: [X] YES [ ] NO

IF YES: SERIAL NUMBERS: 128017 or 128018

DATE OF LOCATION: RELOCATED Nov. 1983

HISTORY OF ASSESSMENT WORK: Chian of assessment work broken in 1982. Claims relocated in Nov. 1983. Current Proof of Labor filed Sept. 1984.

3809 NOTICE FILED?: [ ] YES [X] NO

MINING PLAN FILED?: [ ] YES [X] NO - IF YES, PLAN NO.

PROPOSED WORK:

PATENT APPLIED FOR?: [ ] YES [X] NO - STATUS:

==========

VII. ENVIRONMENTAL SITE CHARACTERISTICS:

1. VEGETATION(ON SITE): Grass has completely revegetated soil areas to the point that distinction between surrounding grass areas and disturbance area cannot be discerned.

2. VEGETATION(OFF SITE): Grasses with Pinon/Juniper stands on surrounding higher elevations.

3. TOPOGRAPHY: Rolling flatland surrounded by steeply-sloping hills.

4. ACRES DISTURBED 10.

5. PALEO. SITE NEARBY: / / YES / / NO-

6. ARCH SITE NEARBY: / / YES / / NO-

7. IS SITE EASILY ACCESSABLE: /X/ YES / / NO - EXPLAIN: Within 1/2-mile of paved highway.

8. NEAREST: RESIDENCE 1.5 Mi. DIRT ROAD 1/4 Mi.
PAVED ROAD 1/2 Mi. POP. CENTER 15 Mi.

9. SIGNS OF GRAZING BY CATTLE OR WILDLIFE: / / YES /X/ NO

10. WILDLIFE OBSERVED: /X/ YES / / NO - SPECIFY: Numerous birds and rabbits.

11. DISTANCE TO NEAREST DRAINAGE 1,500 Ft.; PONDS None Ft.
SIZE OF IMPOUNDMENT

12. EROSION OBSERVED: / / YES /X/ NO ; POTENTIAL CONTAMINATION PATHWAY: / / YES /X/ NO ; BEING USED: / / YES /X/ NO ; EVIDENCE OF SURFACE FLOW INTO MINE OPENINGS: / / YES /X/ NO

ADDITIONAL COMMENTS: LS waste piles barren. Reclamation may only be needed to dispose of waste piles. Possibly in adjacent mine shafts.

VIII. PHYSICAL SITE CHARACTERICS:

TYPE OF MINE: Decline 230'; 30 modified room and pillar

OPENINGS PRESENT: /_/SHAFTS #_____ /X/AUDITS # 1 /_/VENT HOLES #_____
/_/DRILL HOLES #_____ SUBSIDENCE PRESENT /_/ YES /_/ NO

DEPTH OF SHAFTS_____Ft. DIMENSION__X__ AUDIT DIMENSIONS__X__,__X__.

STEPS TAKEN TO RESTRICT ACCESS: Steel door at entrance.

CONDITION: Entryway to mine has collapsed.

WASTE PILES: /X/ YES /_/ NO - TYPE OF MATERIAL: LS/SH piles (small) scattered over site; estimate 500-600 cubic yards.

OXIDATION OR SALTS OBSERVED: /_/ YES /X/ NO

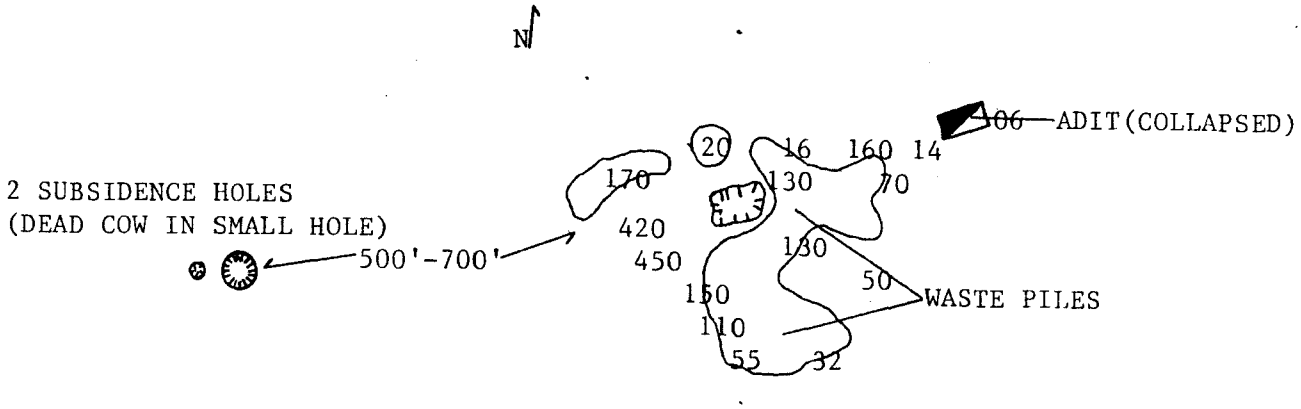
REVEGTATION: /X/ NATURAL /_/ VOLENTEER /_/ RECLAMATION PROGRAM

TRASH PRESENT ON SITE: /X/ YES /_/ NO Old mining equipment scattered over site.

ADDITIONAL COMMENTS:

IX. RADIATION READINGS: BACKGROUND RADIATION 10 μR/hr.

SKETCK OF MINE:



NOT TO SCALE

X. ADDITIONAL OBSERVATIONS: _____

_____

_____

_____

_____

_____

TIME:

PRE-INSPECTION _____ TRAVEL _____ INSPECTION _____

POST INSPECTION _____

_____ _____

INSPECTORS SIGNATURE DATE OF INSPECTION

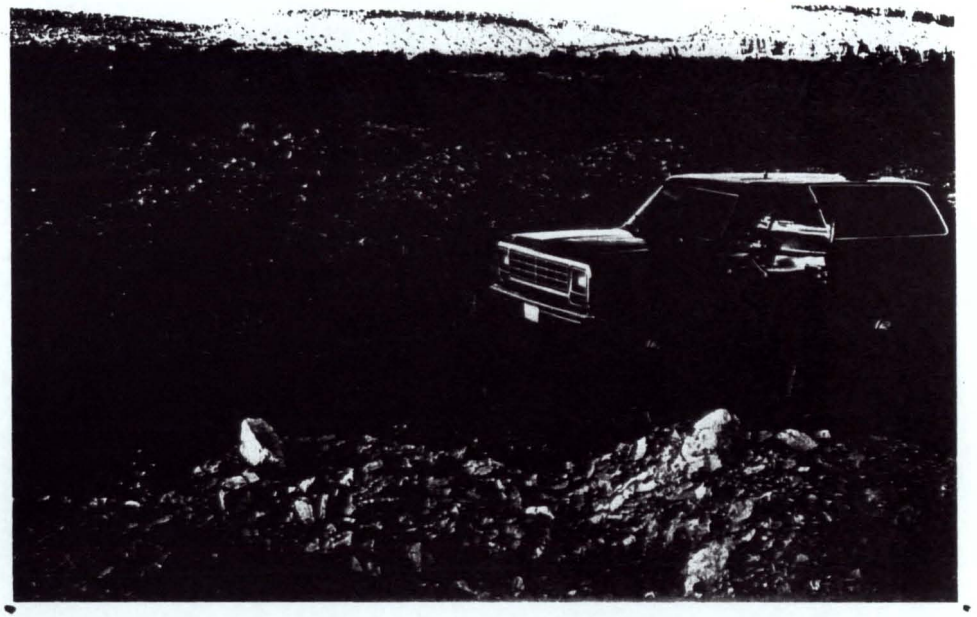
URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: FLAT TOP MINE

DATE: 8/13/85 PHOTOGRAPHER F SCHUSTER

DESCRIPTION: Wide view of mine disturbance. Note revegetation of site.



DESCRIPTION: View of waste piles and vegetation.

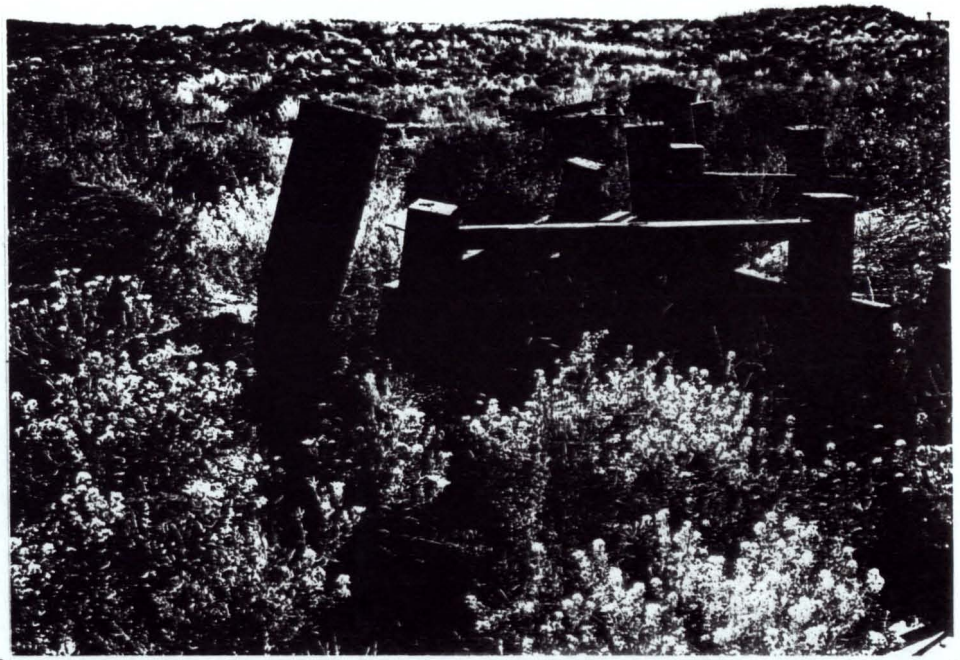
URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: FLAT TOP MINE

DATE: 8/13/85 PHOTOGRAPHER F SCHUSTER

DESCRIPTION: Subsidence west of the mine. Dead cow was found at this site in hole. Death caused when cow could not climb out of hole.



DESCRIPTION: View of collapsed adit. Not waste piles in background.

URANIUM MINE-INVENTORY INSPECTION

PHASE I

I. MINE NAME(S): T-20 Shaft (T-9 Ore Body, Rimrock #2)

II. LOCATION: T. 13 N, R. 9 W, SEC. 30, SW¼SE¼, NMPM. COUNTY: McKinley

LONG. 35° 18' 20" N LAT. 107° 49' 50" W

MINING DIST.: Grants SUBDIST. Ambrosia Lake

USGS QUADRANGLE MAP: Dos Lomas 7½' (ATTACH COPY).

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III. PRODUCTION: YEAR(S): 1960-1963 (Production included with Section 30 Mine).

TONS OF ORE: _____ LBS U PRODUCED: _____

ORE GRADE: _____

COPRODUCED MINS/METALS: _____

QUANTITY PRODUCED: _____

==========

IV. OPERATORS: Rimrock Mining Company

==========

V. LAND STATUS: /X/ FEDERAL SURFACE /__/ PRIVATE SURFACE /__/ OTHER _____

/X/ FEDERAL MINERAL /__/ PRIVATE MINERAL /__/ OTHER _____

COMMENTS: This mine could be across the property line on Pvt/Pvt.

==========

VI. CLAIM INFORMATION: CLAIM COVERING MINE SITE?: /X/ YES /__/ NO

IF YES: SERIAL NUMBERS: 125253

DATE OF LOCATION: Relocated 6/29/83

HISTORY OF ASSESSMENT WORK: Chain of Assessment work broken in 1982. Claim relocated June 29, 1983. Current Proof of Labor file Sept. 1984

3809 NOTICE FILED?: /__/ YES /X/ NO

MINING PLAN FILED?: /__/ YES /X/ NO - IF YES, PLAN NO. _____

PROPOSED WORK: _____

PATENT APPLIED FOR?: /__/ YES /X/ NO - STATUS: _____

==========

VII. ENVIRONMENTAL SITE CHARACTERISTICS:

1. VEGETATION(ON SITE): Grasses and sagebrush; approximately 40-60% canopy cover of grasses and bushes; and some waste pilesbarren, while others have natural grass growth.

2. VEGETATION(OFF SITE): Grassland flats; Pinon & Juniper on surrounding higher elevations.

3. TOPOGRAPHY: Rolling flat, bordered on North and South by steep mesa slopes.

4. ACRES DISTURBED 5-8.

5. PALEO. SITE NEARBY: / / YES / / NO-

6. ARCH SITE NEARBY: / / YES / / NO-

7. IS SITE EASILY ACCESSABLE: /X/ YES / / NO - EXPLAIN: Just off dirt road.

8. NEAREST: RESIDENCE Mi. DIRT ROAD .3 Mi.
PAVED ROAD .75 Mi. POP. CENTER Mi.

9. SIGNS OF GRAZING BY CATTLE OR WILDLIFE: /X/ YES / / NO

10. WILDLIFE OBSERVED: /X/ YES / / NO - SPECIFY: Rabbits and birds abundant in the area. Numerous rabbit holes in spoil.

11. DISTANCE TO NEAREST DRAINAGE Adjacent Ft.; PONDS None Ft.
SIZE OF IMPOUNDMENT

12. EROSION OBSERVED: / / YES /X/ NO ; POTENTIAL CONTAMINATION PATHWAY: /X/ YES / / NO ; BEING USED: / / YES /X/ NO ; EVIDENCE OF SURFACE FLOW INTO MINE OPENINGS: /X/ YES / / NO Subsidence hole near dump in arroyo.

ADDITIONAL COMMENTS: Waste scattered over area. Radiation readings in arroyo not far above normal.

VIII. PHYSICAL SITE CHARACTERICS:

TYPE OF MINE: Underground; 115 ft. shaft.

OPENINGS PRESENT: /X/ SHAFTS #____ /_/ AUDITS #____ /_/ VENT HOLES #____
/_/ DRILL HOLES #____ SUBSIDENCE PRESENT /X/ YES /_/ NO

DEPTH OF SHAFTS 115 Ft. DIMENSION __X__ AUDIT DIMENSIONS __X__, __X__.

STEPS TAKEN TO RESTRICT ACCESS: Steel plates and drilling steel welded over top.

CONDITION: Steel intact; however, shaft just below cement collar is caving. Expect caving reflected on surface soon. Dangerous.

WASTE PILES: /X/ YES /_/ NO - TYPE OF MATERIAL: LS and SH. Estimated 2,000-3,000 c.y..

OXIDATION OR SALTS OBSERVED: /_/ YES /X/ NO

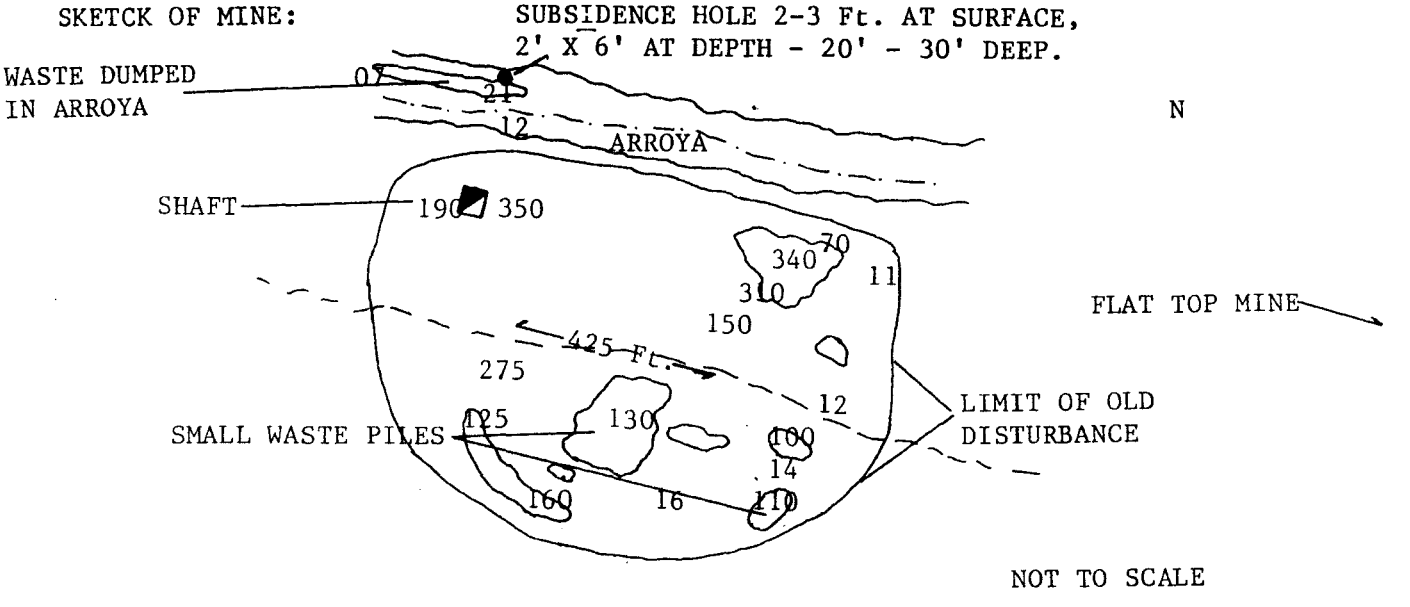
REVEGTATION: /X/ NATURAL /_/ VOLENTEER /_/ RECLAMATION PROGRAM

TRASH PRESENT ON SITE: /X/ YES /_/ NO Mostly metal mining debris.

ADDITIONAL COMMENTS: Shaft collar unstable; caving around shaft could occur at any time.

IX. RADIATION READINGS: BACKGROUND RADIATION 12 µR/hr.

SKETCK OF MINE:



X. ADDITIONAL OBSERVATIONS: Two-3-foot-wide circular hole discovered near waste dumped in arroyo. Suspect subsidence into mine or old airway with pipe removed. Material dumped into arroyo could be from this hole. Hole open - a danger to cattle and wildlife. Hole expands below surface to 2' x 6' area.

TIME:

PRE-INSPECTION _____ TRAVEL _____ INSPECTION _____

POST INSPECTION _____

_____ 8/15-16/85

INSPECTORS SIGNATURE DATE OF INSPECTION

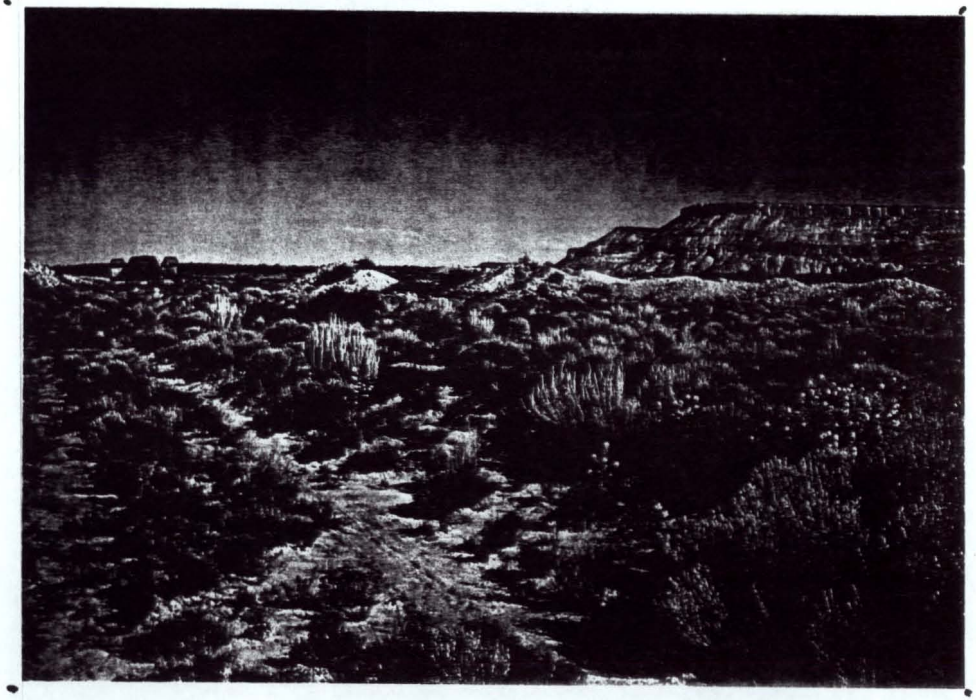
URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: T-20 SHAFT

DATE: 8/14/85 PHOTOGRAPHER F SCHUSTER

DESCRIPTION: View from east showing south portion of waste piles.



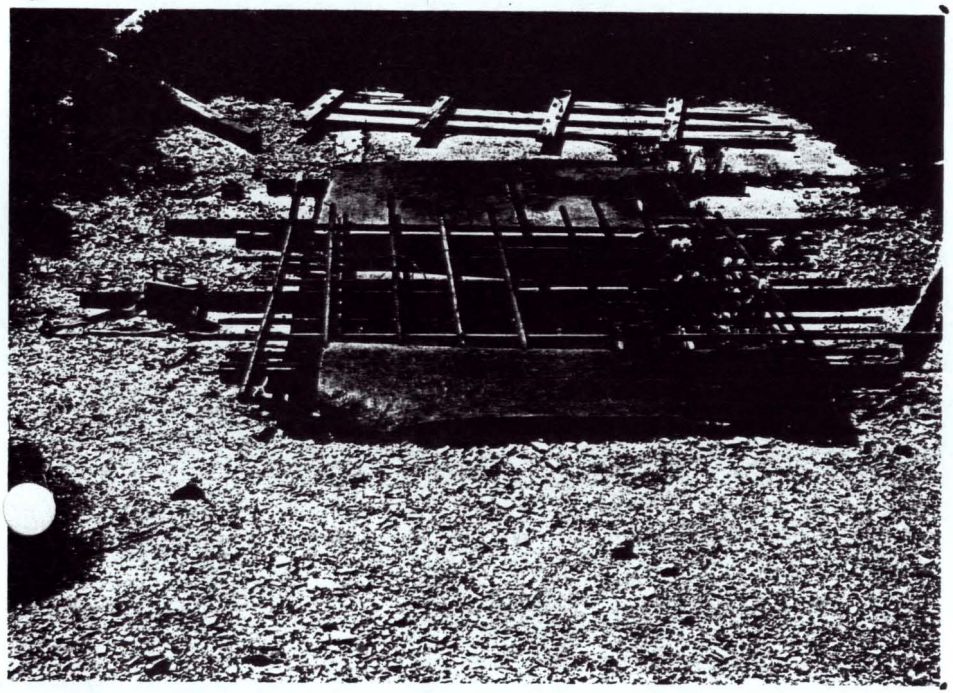
DESCRIPTION: View from east showing north side of waste pile area. Note lack of vegetation on waste piles. Area just off right of photo is slope into drainage. No apparent erosion.

URANIUM MINE INVENTORY INSPECTION

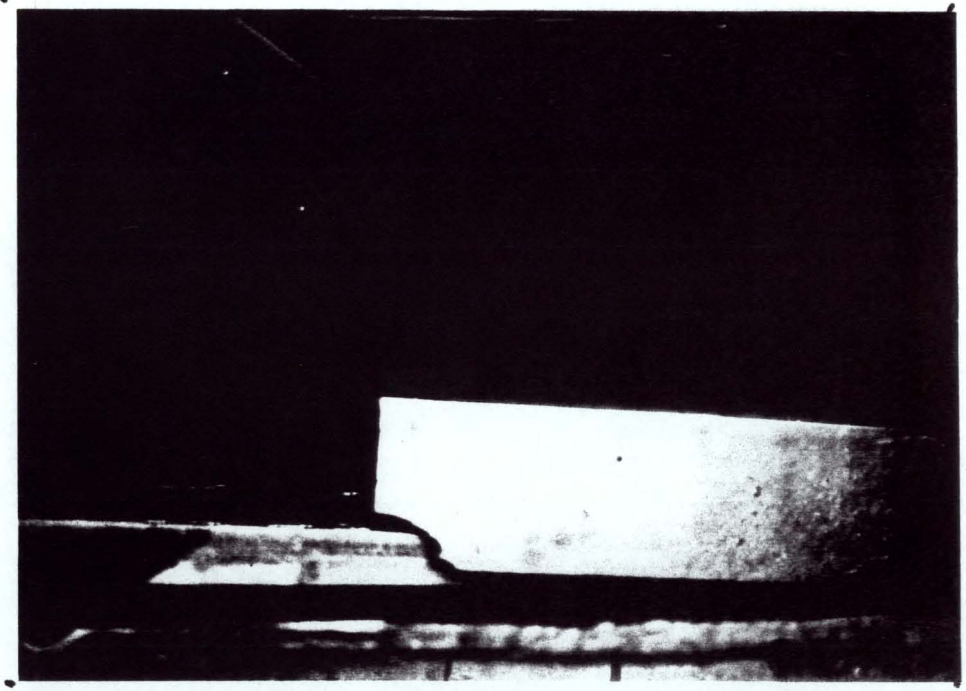
PHASE I

MINE NAME: T-20 SHAFT

DATE: 8/14/85 PHOTOGRAPHER F SCHUSTER



DESCRIPTION: Mine shaft at surface. Steel drilling bars welded over shaft. Shaft open.



DESCRIPTION: View directly down shaft shown at left. Note caving just below surface. Possible caving to surface within next few years.

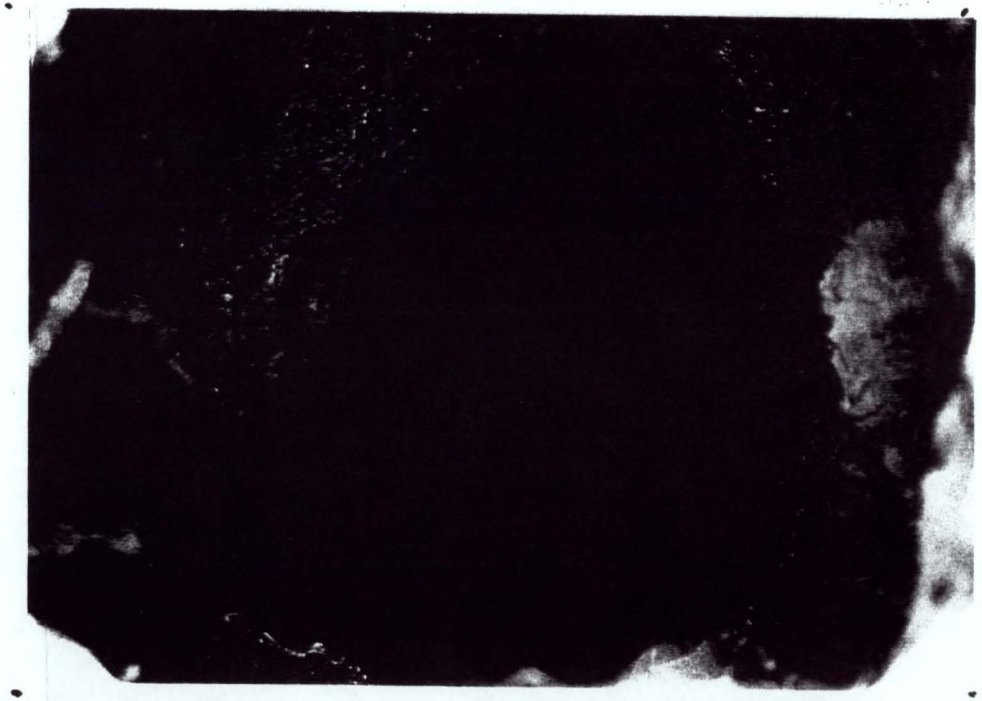
URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: T-20 SHAFT

DATE: 8/14/85 PHOTOGRAPHER F SCHUSTER

DESCRIPTION: Subsidence hole found near waste pile in arroya. Hole is 2-3 feet across at surface. Hole is just north of shaft.



DESCRIPTION: View directly down subsidence hole. Estimate depth of hole 20-30 feet. Hole expand to about 2' X 6' at depth.

URANIUM MINE INVENTORY INSPECTION

PHASE I

I. MINE NAME(S): Beacon Hill #18-23 (Mesa top, Malpais, East Malpais, Devenport)

II. LOCATION: T. 13 N, R. 9 W, SEC. 20, NW¼, NMPM. COUNTY: McKinley

LONG. 35° 20' 35" N LAT. 107° 49' 14" N

MINING DIST.: Grants SUBDIST. Ambrosia Lake

USGS QUADRANGLE MAP: Dos Lomas (ATTACH COPY).

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III. PRODUCTION: YEAR(S): Production included with Beacon Hill Mine

TONS OF ORE: LBS U PRODUCED:

ORE GRADE:

COPRODUCED MINS/METALS:

QUANTITY PRODUCED:

==========

IV. OPERATORS:

==========

V. LAND STATUS: /X/ FEDERAL SURFACE /__/ PRIVATE SURFACE /__/ OTHER

/X/ FEDERAL MINERAL /__/ PRIVATE MINERAL /__/ OTHER

COMMENTS:

==========

VI. CLAIM INFORMATION: CLAIM COVERING MINE SITE?: /X/ YES /__/ NO

IF YES: SERIAL NUMBERS: 58997 or 59002 ?

DATE OF LOCATION: 3/14/76

HISTORY OF ASSESSMENT WORK: Latest assessment work filed July 1984.

3809 NOTICE FILED?: /__/ YES /X/ NO

MINING PLAN FILED?: /__/ YES /X/ NO - IF YES, PLAN NO.

PROPOSED WORK:

PATENT APPLIED FOR?: /__/ YES /X/ NO - STATUS:

==========

VII. ENVIRONMENTAL SITE CHARACTERISTICS:

1. VEGETATION(ON SITE): Grasses and shrubs naturally encroaching on disturbance. Estimate 30% canopy cover.

2. VEGETATION(OFF SITE): Grasses and shrubs around site. Good P-J stands all around.

3. TOPOGRAPHY: Rolling flat on mesa top, gently sloping to NNW into valley.

4. ACRES DISTURBED 1-2 (estimated).

5. PALEO. SITE NEARBY: / / YES / / NO-

6. ARCH SITE NEARBY: / / YES / / NO-

7. IS SITE EASILY ACCESSABLE: / / YES /X/ NO - EXPLAIN: Isolated and surrounded by private land. Accesses to north locked. Gained access only after cutting chain on fence inside BLM land.

8. NEAREST: RESIDENCE 1.5 Mi. DIRT ROAD Mi.
PAVED ROAD 3 Mi. POP. CENTER 15 Mi.

9. SIGNS OF GRAZING BY CATTLE OR WILDLIFE: /X/ YES / / NO

10. WILDLIFE OBSERVED: /X/ YES / / NO - SPECIFY: Rabbits and birds plentiful.

11. DISTANCE TO NEAREST DRAINAGE 1,000 Ft.; PONDS None Ft.
SIZE OF IMPOUNDMENT

12. EROSION OBSERVED: /X/ YES / / NO ; POTENTIAL CONTAMINATION PATHWAY:
/ / YES /X/ NO ; BEING USED: /X/ YES / / NO ; EVIDENCE OF SURFACE FLOW INTO MINE OPENINGS: / / YES /X/ NO

ADDITIONAL COMMENTS: Site reclaiming very naturally.

VIII. PHYSICAL SITE CHARACTERICS:

TYPE OF MINE: 240 ft; 45° decline shaft--Open stope and random pillar

OPENINGS PRESENT: /_/SHAFTS #_____ /_/AUDITS #_____ /_/VENT HOLES #_____
/_/DRILL HOLES #_____ SUBSIDENCE PRESENT /_/ YES /_/ NO

DEPTH OF SHAFTS 240 Ft. DIMENSION ___X___ AUDIT DIMENSIONS ___X___, ___X___.

STEPS TAKEN TO RESTRICT ACCESS: None observed; caving at surface has closed opening with dirt.

CONDITION: Possible that dirt filling Audit could be washed away

WASTE PILES: /X/ YES /_/ NO - TYPE OF MATERIAL: Deteriorating SS; some LS.

OXIDATION OR SALTS OBSERVED: /X/ YES /_/ NO

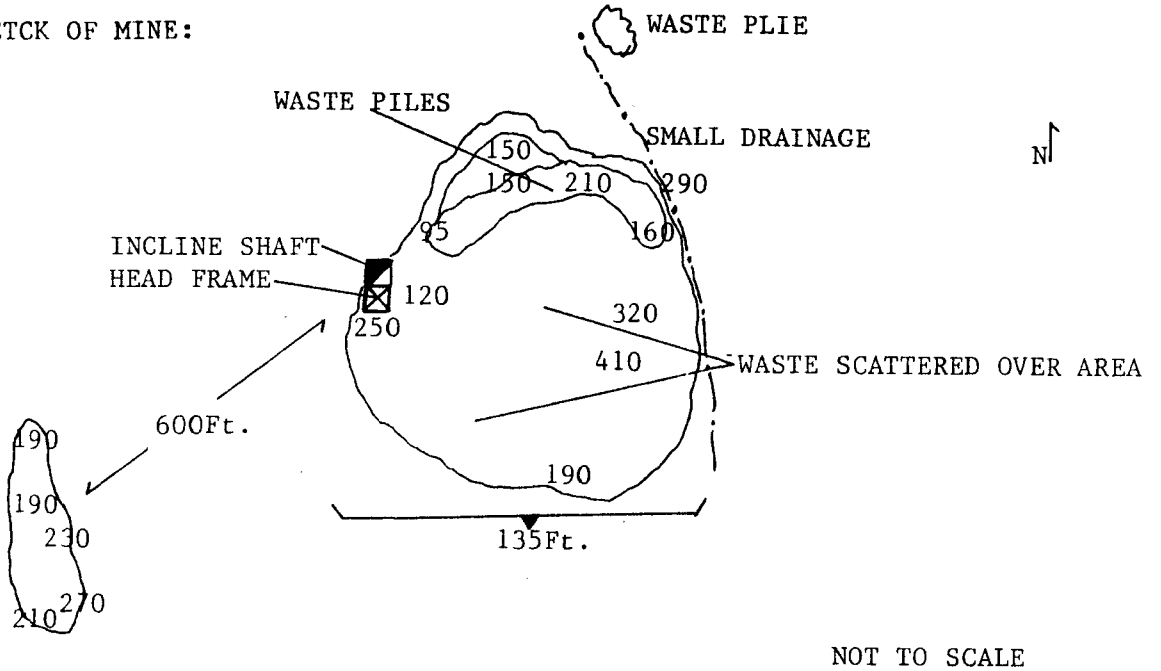
REVEGTATION: /X/ NATURAL /_/ VOLENTEER /_/ RECLAMATION PROGRAM

TRASH PRESENT ON SITE: /X/ YES /_/ NO Some trash observed, but very minor.

ADDITIONAL COMMENTS:

IX. RADIATION READINGS: BACKGROUND RADIATION 10 μR/hr.

SKETCK OF MINE:



NOT TO SCALE

X. ADDITIONAL OBSERVATIONS: _____

_____

_____

_____

_____

_____

TIME:

PRE-INSPECTION _____ TRAVEL _____ INSPECTION _____

POST INSPECTION _____

_____ _____

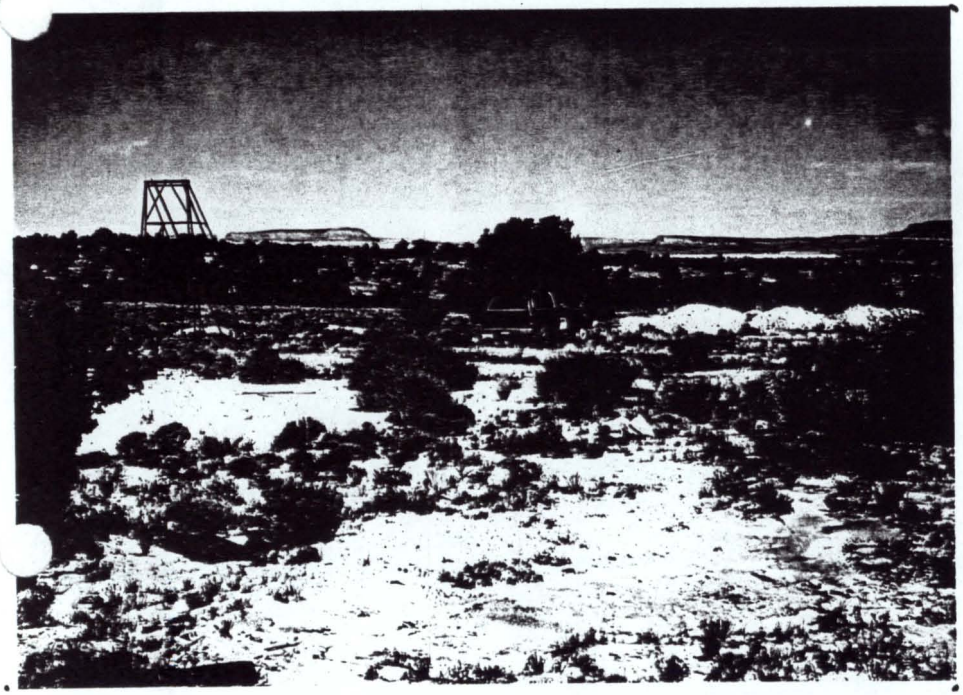
INSPECTORS SIGNATURE DATE OF INSPECTION

URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: BEACON HILL #18-23

DATE: 8/17/85 PHOTOGRAPHER F. SCHUSTER



DESCRIPTION: General view of mine site showing frame left and waste piles. Note vegetation on site.

DESCRIPTION:

URANIUM MINE INVENTORY INSPECTION

PHASE I

I. MINE NAME(S): Mesa Top Mine (Not on List)

II. LOCATION: T. 13 N, R. 9 W, SEC. 20, NW¼NE¼SW¼, NMPM. COUNTY: McKinley

LONG. _____ LAT. _____

MINING DIST.: Grants SUBDIST. Ambrosia Lake

USGS QUADRANGLE MAP: Dos Lomas 7½' (ATTACH COPY).

==========

III. PRODUCTION: YEAR(S): 1954-1957

TONS OF ORE: 108,261 LBS U PRODUCED: 512,965 U_3O_8

ORE GRADE: .24%

COPRODUCED MINS/METALS: None

QUANTITY PRODUCED: _____

==========

IV. OPERATORS: 1954-1957 Lea Exp.; 1957 Holly Minerals and Lea.

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V. LAND STATUS: /X/ FEDERAL SURFACE /__/ PRIVATE SURFACE /__/ OTHER _____

/X/ FEDERAL MINERAL /__/ PRIVATE MINERAL /__/ OTHER _____

COMMENTS: _____

==========

VI. CLAIM INFORMATION: CLAIM COVERING MINE SITE?: /X/ YES /__/ NO

IF YES: SERIAL NUMBERS: 43160 The Mesa Top #21

DATE OF LOCATION: 8/31/56

HISTORY OF ASSESSMENT WORK: 1985

3809 NOTICE FILED?: /__/ YES /X/ NO

MINING PLAN FILED?: /__/ YES /X/ NO - IF YES, PLAN NO. _____

PROPOSED WORK: _____

PATENT APPLIED FOR?: /__/ YES /X/ NO - STATUS: _____

==========

VII. ENVIRONMENTAL SITE CHARACTERISTICS:

1. VEGETATION(ON SITE): Grasses and shrubs beginning to encroach on disturbance and waste. Some spoil barren. Estimate 15-25% canopy cover.

2. VEGETATION(OFF SITE): Pinon/Juniper trees surrounding site. Grasses and shrubs giving 40-50% canopy cover.

3. TOPOGRAPHY: Rolling hills cut by arroyo drainages, generally sloping to NNE into valley.

4. ACRES DISTURBED 10-15 .

5. PALEO. SITE NEARBY: / / YES / / NO-

6. ARCH SITE NEARBY: / / YES / / NO-

7. IS SITE EASILY ACCESSABLE: / /YES /X /NO - EXPLAIN: Section surrounded by private lands. Generally, roads are locked.

8. NEAREST: RESIDENCE 1 Mi. DIRT ROAD 1 Mi.
PAVED ROAD 2 Mi. POP. CENTER Mi.

9. SIGNS OF GRAZING BY CATTLE OR WILDLIFE: /X/ YES / / NO

10. WILDLIFE OBSERVED: /X/ YES / / NO - SPECIFY: Rabbits and birds abundant, especially hummingbirds, around mine.

11. DISTANCE TO NEAREST DRAINAGE 300 Ft.; PONDS None Ft.
SIZE OF IMPOUNDMENT N/A

12. EROSION OBSERVED: /X/ YES / / NO ; POTENTIAL CONTAMINATION PATHWAY: /X/ YES / / NO ; BEING USED: /X/ YES / / NO ; EVIDENCE OF SURFACE FLOW INTO MINE OPENINGS: / / YES /X/ NO

ADDITIONAL COMMENTS: Area has small waste piles spread over numerous sites. Actual disturbance varies.

VIII. PHYSICAL SITE CHARACTERICS:

TYPE OF MINE: Underground - Shaft.

OPENINGS PRESENT: /X/ SHAFTS # 2 / / AUDITS # _____ / / VENT HOLES # _____
/ / DRILL HOLES # _____ SUBSIDENCE PRESENT / / YES / / NO

DEPTH OF SHAFTS 50-75 Ft. DIMENSION 20 X 20 AUDIT DIMENSIONS ___ X ___, ___ X ___.

STEPS TAKEN TO RESTRICT ACCESS: Main shaft has boards placed across and fence. Escapeway has door with hasp.

CONDITION: Boards over main shaft completely rotten; fence is intact. Escapeway--lock on hasp removed; shaft completely open.

WASTE PILES: /X/ YES / / NO - TYPE OF MATERIAL: Decomposing SS and Shale . Estimation of volume difficult due to spreading over a large area--10-15,000 cu. yd.

OXIDATION OR SALTS OBSERVED: /X/ YES / / NO

REVEGTATION: /X/ NATURAL / / VOLENTEER / / RECLAMATION PROGRAM

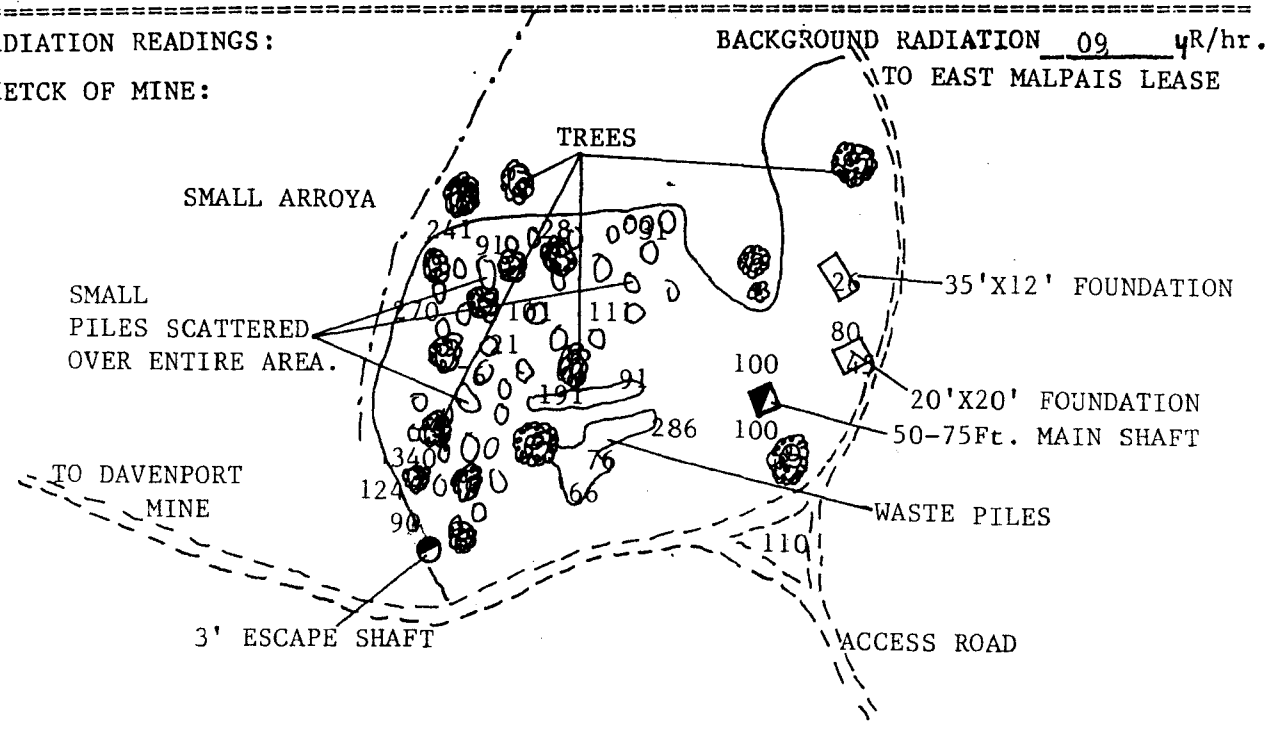
TRASH PRESENT ON SITE: /X/ YES / / NO Many timbers and metal left from mining.

ADDITIONAL COMMENTS: Escapeway has 3' circular shaft with ladder into mine. Some rungs on ladder held by rotten rope--DANGER.

IX. RADIATION READINGS:

BACKGROUND RADIATION 09 μR/hr.

SKETCK OF MINE:



X. ADDITIONAL OBSERVATIONS: _____

_____

_____

_____

_____

_____

TIME:

PRE-INSPECTION _____ TRAVEL _____ INSPECTION _____

POST INSPECTION _____

_____ _____

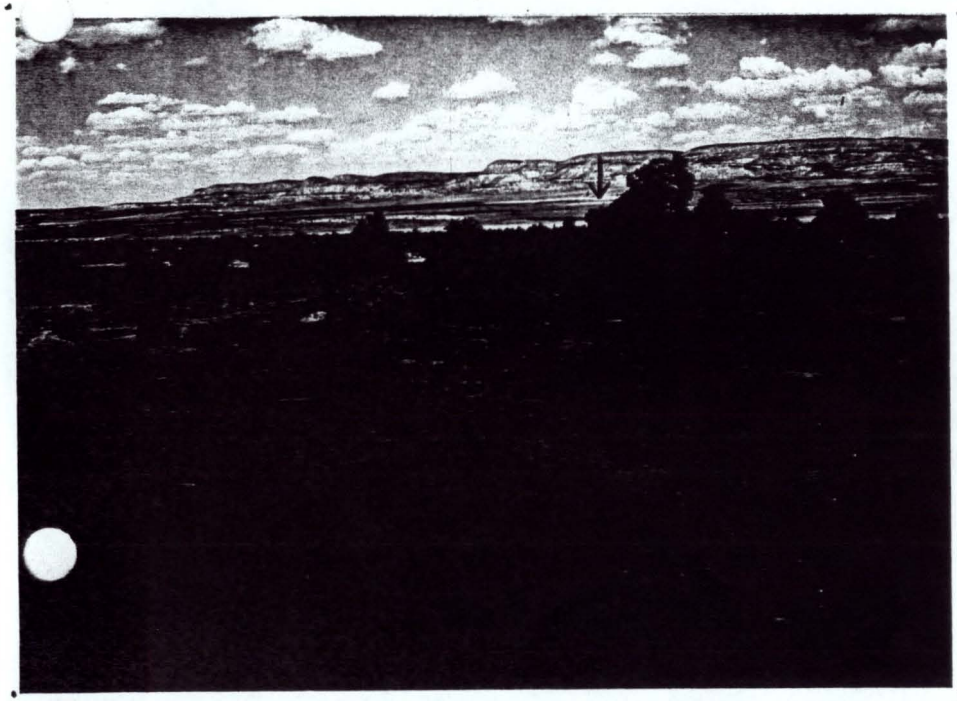
INSPECTORS SIGNATURE DATE OF INSPECTION

URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: Mesa Top

DATE: 8/20/85 PHOTOGRAPHER F Schuster



DESCRIPTION: Eastern portion of mine site showing access road at right, main shaft located under arrow.

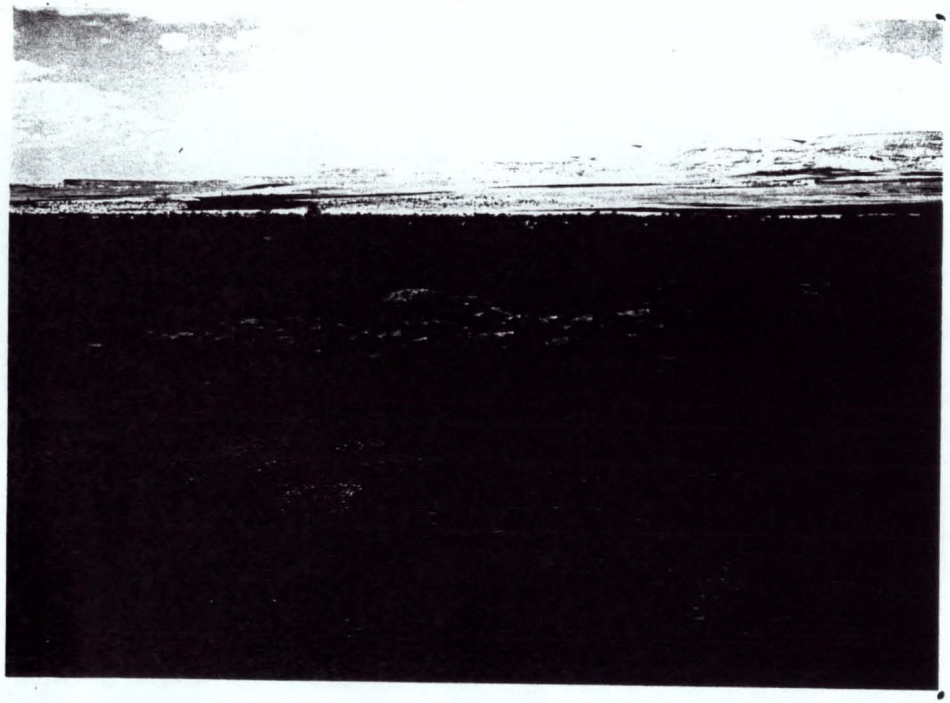
DESCRIPTION: Central portion of mine showing waste pilesand surrounding vegetation.

URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: Mesa Top

DATE: 8/20/85 PHOTOGRAPHER F Schuster



DESCRIPTION: Western portion of mine note two track east to west. This road leads to the Davenport and Beacon Hill mines. Pipe is open escape way.

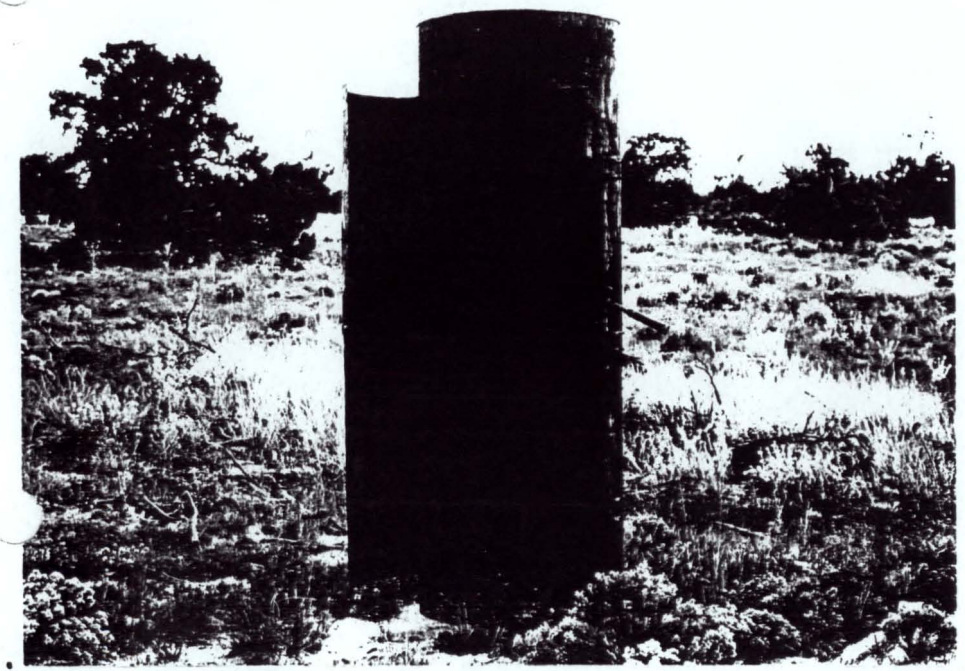
DESCRIPTION: Main shaft at surface approximately 12' x 12' about 40' - 60' deep.

URANIUM MINE INVENTORY INSPECTION

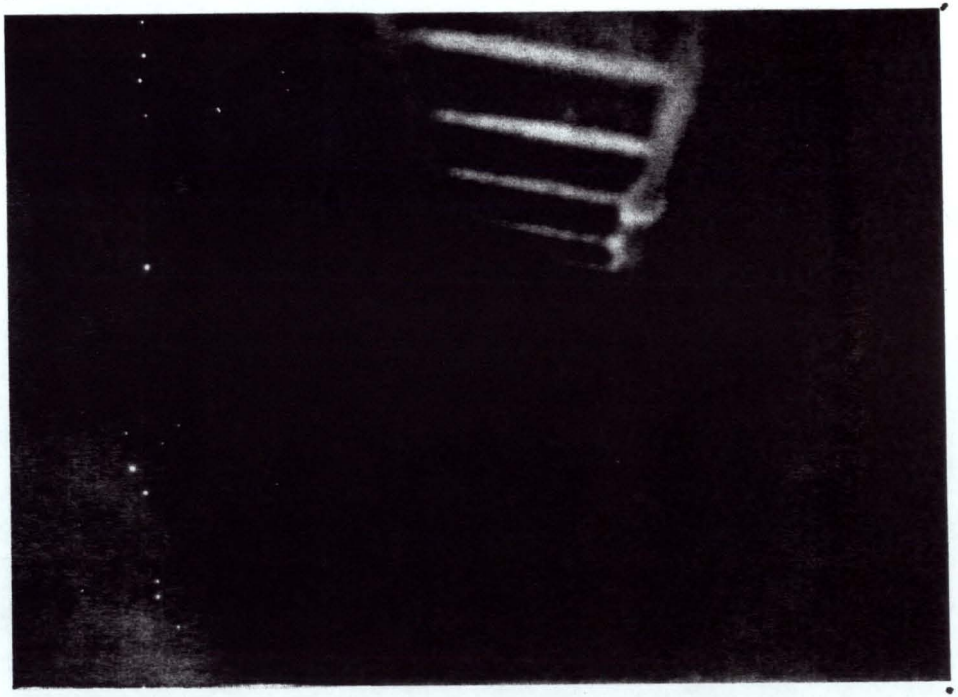
PHASE I

MINE NAME: Mesa Top

DATE: 8/20/85 PHOTOGRAPHER F.Schuster



DESCRIPTION: Open escapeway.



DESCRIPTION: Shot directly down escapeway.

URANIUM MINE INVENTORY INSPECTION

PHASE I

I. MINE NAME(S): East Malpais Lease (Malpais Raise) (Malpais #3, Dog #10

II. LOCATION: T. 13 N, R. 9 W, SEC. 20, SW¼SW¼NW¼ NMPM. COUNTY: Mckinley

LONG. 35° 20' 32" N LAT. 107° 48' 50" W

MINING DIST.: Grants SUBDIST. Ambrosia Lake

USGS QUADRANGLE MAP: Dos Lomas 7½' (ATTACH COPY).

III. PRODUCTION: YEAR(S): 1958-1960

TONS OF ORE: 30,333 LBS U PRODUCED: 139,818 U_3O_8

ORE GRADE: .23%

COPRODUCED MINS/METALS:

QUANTITY PRODUCED:

IV. OPERATORS: 1958-1960 Four Corners Exp. Co.

V. LAND STATUS: /X/ FEDERAL SURFACE / / PRIVATE SURFACE / / OTHER

/X/ FEDERAL MINERAL / / PRIVATE MINERAL / / OTHER

COMMENTS:

VI. CLAIM INFORMATION: CLAIM COVERING MINE SITE?: /X/ YES / / NO

IF YES: SERIAL NUMBERS: 43165

DATE OF LOCATION: 8/31/1956

HISTORY OF ASSESSMENT WORK: Filed for 1985

3809 NOTICE FILED?: / / YES /X/ NO

MINING PLAN FILED?: / / YES /X/ NO - IF YES, PLAN NO.

PROPOSED WORK:

PATENT APPLIED FOR?: / / YES /X/ NO - STATUS:

VII. ENVIRONMENTAL SITE CHARACTERISTICS:

1. VEGETATION(ON SITE): Most of disturbed area revegetated with grasses; 50% canopy cover. Spoils mostly barren.

2. VEGETATION(OFF SITE): Area surrounded by Juniper trees. Grass cover 70-80% canopy.

3. TOPOGRAPHY: Top of hill sloping into arroyo on east side, generally sloping into valley to North.

4. ACRES DISTURBED 5-8 .

5. PALEO. SITE NEARBY: / / YES / / NO-

6. ARCH SITE NEARBY: / / YES / / NO-

7. IS SITE EASILY ACCESSABLE: / /YES /X/NO - EXPLAIN: Area surrounded by private lands; most access is locked.

8. NEAREST: RESIDENCE Mi. DIRT ROAD 2 Mi.
PAVED ROAD 2.5 Mi. POP. CENTER 15 Mi.

9. SIGNS OF GRAZING BY CATTLE OR WILDLIFE: / / YES / / NO

10. WILDLIFE OBSERVED: /X/ YES / / NO - SPECIFY: Abundance of birds & rabbits.

11. DISTANCE TO NEAREST DRAINAGE 1500 Ft.; PONDS None Ft.
SIZE OF IMPOUNDMENT

12. EROSION OBSERVED: /X/ YES / / NO ; POTENTIAL CONTAMINATION PATHWAY: /X/ YES / / NO ; BEING USED: /X/ YES / / NO ; EVIDENCE OF SURFACE FLOW INTO MINE OPENINGS: / / YES /X/ NO

ADDITIONAL COMMENTS:

VIII. PHYSICAL SITE CHARACTERICS:

TYPE OF MINE: Underground.

OPENINGS PRESENT: [X] SHAFTS # 1 [ ] AUDITS # _____ [ ] VENT HOLES # _____
[ ] DRILL HOLES # _____ SUBSIDENCE PRESENT [ ] YES [ ] NO

DEPTH OF SHAFTS 160 Ft. DIMENSION ___X___ AUDIT DIMENSIONS ___X___, ___X___.

STEPS TAKEN TO RESTRICT ACCESS: Boards placed across entrance.

CONDITION: Boards completely rotted and were remved by geologist since they were ground level and anyone stepping on boards would fall through.

WASTE PILES: [X] YES [ ] NO - TYPE OF MATERIAL: Weathering SS and Shale.

OXIDATION OR SALTS OBSERVED: [X] YES [ ] NO

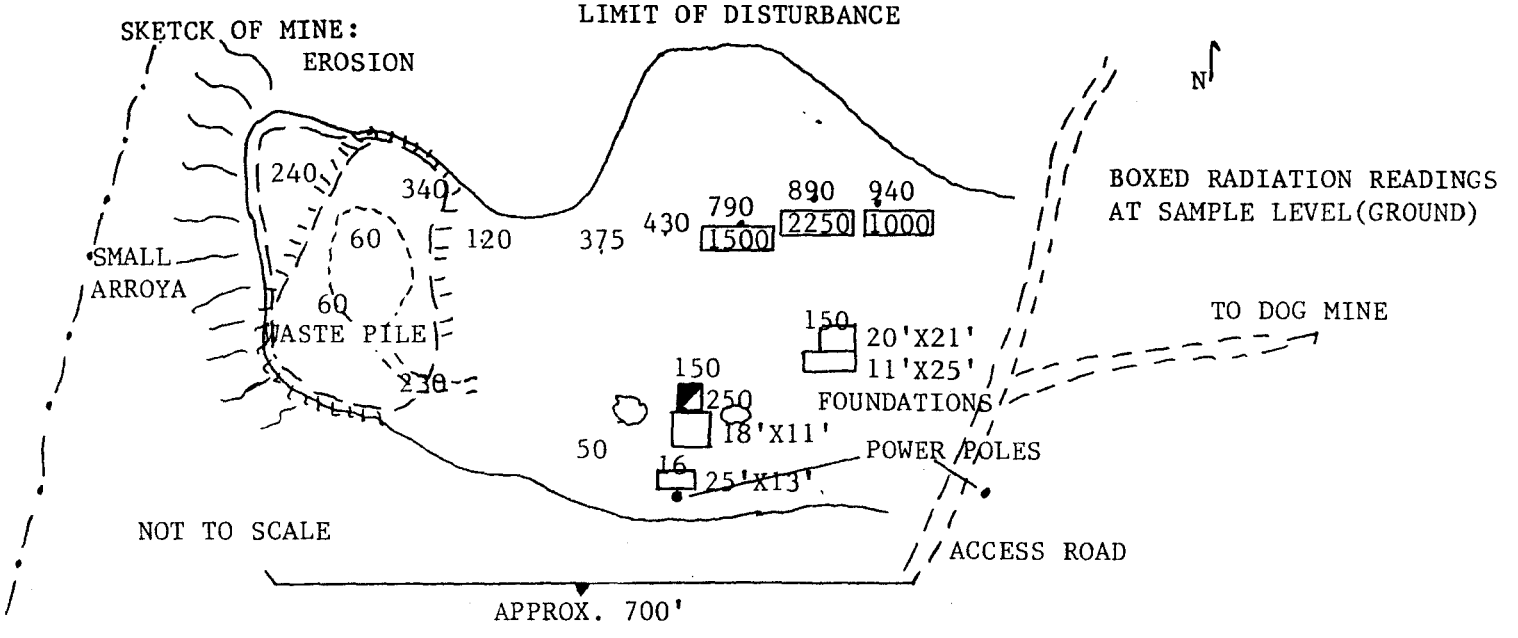
REVEGTATION: [X] NATURAL [ ] VOLENTEER [ ] RECLAMATION PROGRAM

TRASH PRESENT ON SITE: [X] YES [ ] NO Minor debris left from mining.

ADDITIONAL COMMENTS: Shaft is beginning to cave in; some subsidence around foundation at surface.

IX. RADIATION READINGS: BACKGROUND RADIATION 10 μR/hr.

SKETCK OF MINE:



X. ADDITIONAL OBSERVATIONS: Waste dumped over much of disturbed surface. Wastes contain numerous "Hot Spots." One spot recorded at 2,250 uR/HR at the sample and 900 uR/HR at waist level. Almost all scattered wastes are eroding.

TIME:

PRE-INSPECTION _____ TRAVEL _____ INSPECTION _____

POST INSPECTION _____

INSPECTORS SIGNATURE

DATE OF INSPECTION

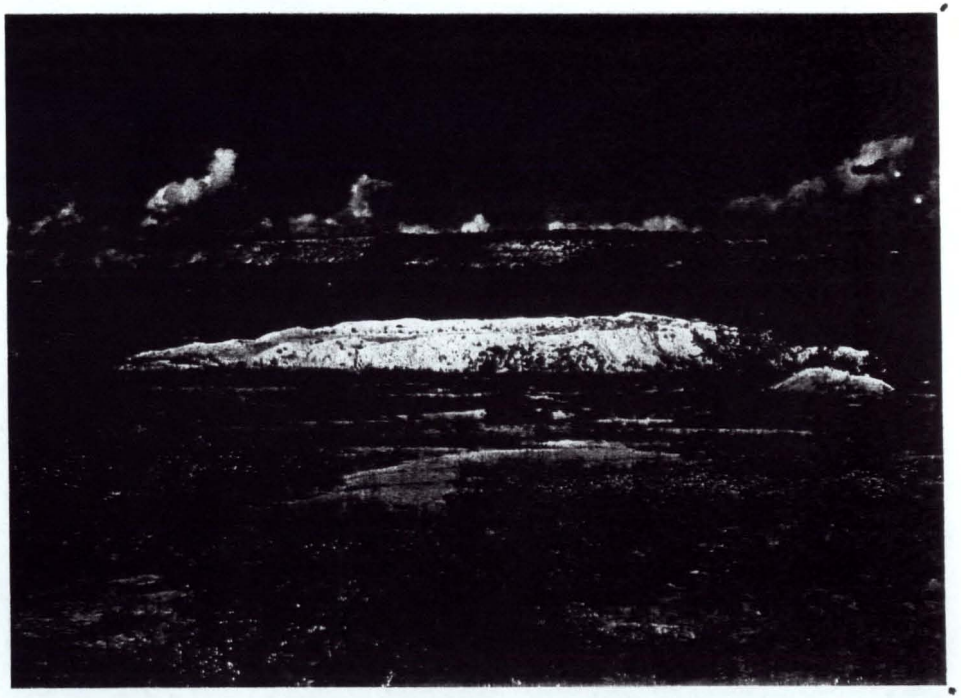
URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: East Malpais

DATE: 8/21/85 PHOTOGRAPHER F Schuster

DESCRIPTION: View of shaft in center of photo and part of work area and its revegetation.



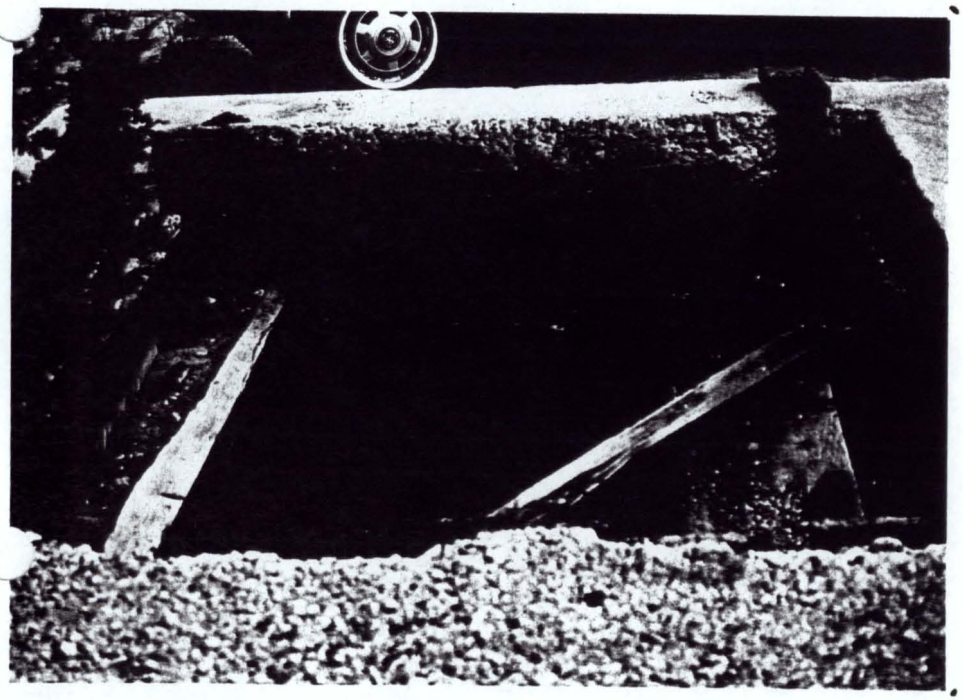
DESCRIPTION: Waste pile on western edge of work area. Note revegetation and waste spread over area in foreground.

URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: East Malpais

DATE: 8/21/85 PHOTOGRAPHER F Schuster



DESCRIPTION: View of 6' x 6' shaft opening. Note boards of opening. Boards were found to be rotten.

DESCRIPTION: View directly down shaft. Shaft appeared to be caving at bottom.

URANIUM MINE INVENTORY INSPECTION

PHASE I

I. MINE NAME(S): B. G. Group/Dog Group (Dog incline; Flea incline; B-G Group Sec 20).

II. LOCATION: T. 13 W, R. 9 W, SEC. 20, NW¼NW¼SW¼ NMPM. COUNTY: McKinley

LONG. 35° 20' 40" N LAT. 107° 48' 25" W

MINING DIST.: Grants SUBDIST. Ambrosia Lake

USGS QUADRANGLE MAP: Dos Lomas 7½' (ATTACH COPY).

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III. PRODUCTION: YEAR(S): 1969-1971

TONS OF ORE: 20,001 LBS U PRODUCED: 86,161 U_3O_8

ORE GRADE: .22%

COPRODUCED MINS/METALS:

QUANTITY PRODUCED:

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IV. OPERATORS: 1957-1970 Four Corners Exp. Co.

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V. LAND STATUS: /X/ FEDERAL SURFACE / / PRIVATE SURFACE / / OTHER

/X/ FEDERAL MINERAL / / PRIVATE MINERAL / / OTHER

COMMENTS:

==========

VI. CLAIM INFORMATION: CLAIM COVERING MINE SITE?: /X/ YES / / NO

IF YES: SERIAL NUMBERS: 43161

DATE OF LOCATION: 8/31/56

HISTORY OF ASSESSMENT WORK: Filed for 1985

3809 NOTICE FILED?: / / YES /X/ NO

MINING PLAN FILED?: / / YES /X/ NO - IF YES, PLAN NO.

PROPOSED WORK:

PATENT APPLIED FOR?: / / YES /X/ NO - STATUS:

==========

VII. ENVIRONMENTAL SITE CHARACTERISTICS:

1. VEGETATION(ON SITE): Site revegetating naturally with grass and shrubs. Some areas 70% canopy cover while other areas (spoil) barren.

2. VEGETATION(OFF SITE): Pinon/Juniper trees and grassland.

3. TOPOGRAPHY: Rolling hills sloping generally to the NNE into a valley.

4. ACRES DISTURBED 30.

5. PALEO. SITE NEARBY: / / YES / / NO-

6. ARCH SITE NEARBY: / / YES / / NO-

7. IS SITE EASILY ACCESSABLE: / / YES /X/ NO - EXPLAIN: Section surrounded by private lands; most roads locked.

8. NEAREST: RESIDENCE Mi. DIRT ROAD 1 Mi.
PAVED ROAD 3 Mi. POP. CENTER 20 Mi.

9. SIGNS OF GRAZING BY CATTLE OR WILDLIFE: /X/ YES / / NO

10. WILDLIFE OBSERVED: /X/ YES / / NO - SPECIFY: Birds are plentiful; there are some rabbits.

11. DISTANCE TO NEAREST DRAINAGE In drainage Ft.; PONDS None Ft.
SIZE OF IMPOUNDMENT

12. EROSION OBSERVED: /X/ YES / / NO ; POTENTIAL CONTAMINATION PATHWAY: /X/ YES / / NO ; BEING USED: /X/ YES / / NO ; EVIDENCE OF SURFACE FLOW INTO MINE OPENINGS: /X/ YES / / NO

ADDITIONAL COMMENTS:

VIII. PHYSICAL SITE CHARACTERICS:

TYPE OF MINE: 30° decline shaft (Dog); 30° incline (Flea)

OPENINGS PRESENT: /_/ SHAFTS #_____ /X/ AUDITS # 1 /_/ VENT HOLES #_____

/X/ DRILL HOLES # 1 SUBSIDENCE PRESENT /_/ YES /_/ NO

DEPTH OF SHAFTS 300 decline Ft. DIMENSION __X__ AUDIT DIMENSIONS __X__, __X__.

STEPS TAKEN TO RESTRICT ACCESS: None.

CONDITION: Roof of opening has caved in partially blocking entrance. Portion of mine entrance still open.

WASTE PILES: /X/ YES /_/ NO - TYPE OF MATERIAL: Shale (Clay) Sand.

OXIDATION OR SALTS OBSERVED: /X/ YES /_/ NO

REVEGTATION: /X/ NATURAL /_/ VOLENTEER /_/ RECLAMATION PROGRAM

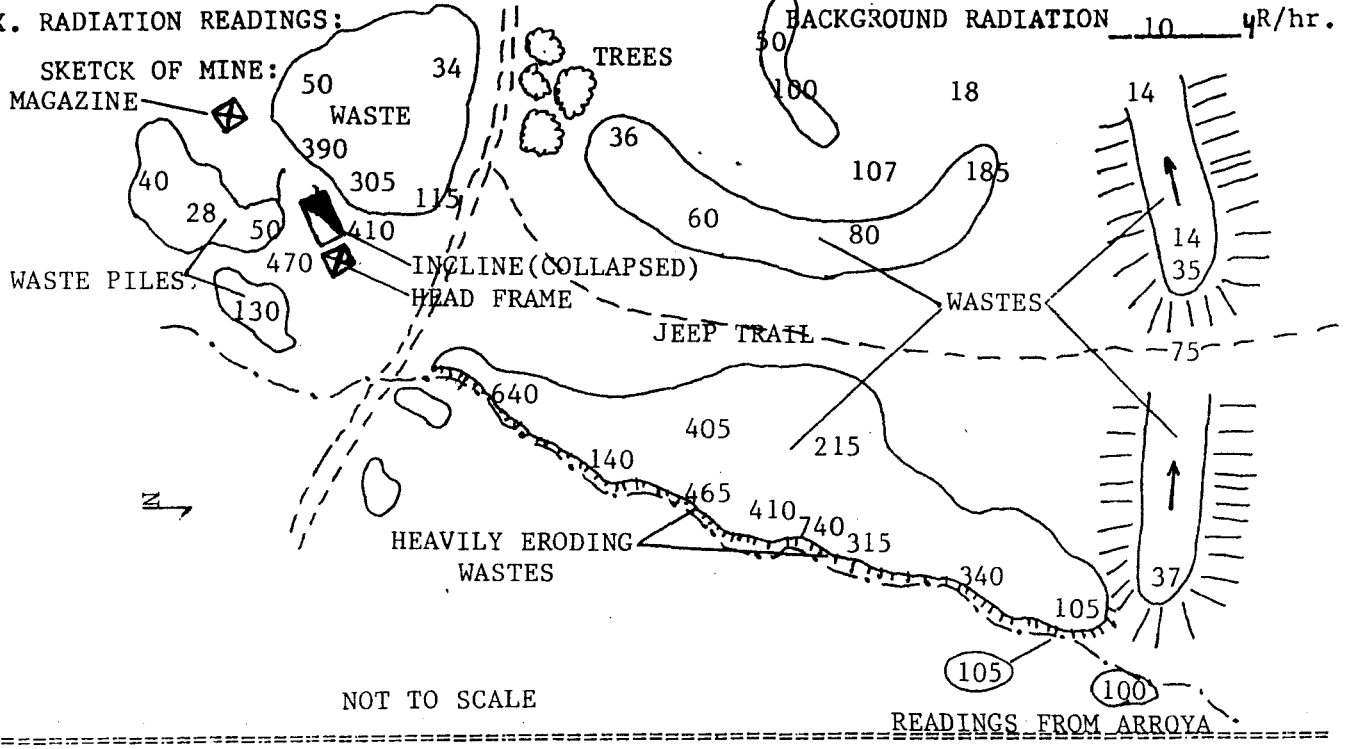
TRASH PRESENT ON SITE: /X/ YES /_/ NO Mining debris; old cars.

ADDITIONAL COMMENTS:

IX. RADIATION READINGS:

BACKGROUND RADIATION 10 μR/hr.

SKETCK OF MINE:



X. ADDITIONAL OBSERVATIONS: Waste washing directly into arroyo. Large amounts of waste washing into arroyo. Waste includes low grade uranium ores.

TIME:

PRE-INSPECTION_____ TRAVEL_____ INSPECTION_____

POST INSPECTION_____

INSPECTORS SIGNATURE

DATE OF INSPECTION

URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: Dog

DATE: 8/20/85 PHOTOGRAPHER F Schuster

DESCRIPTION: General view of mine showing ore car hoist at the inclined shaft opening. Note waste along arroyo and the erosion taking place on the waste areas revegetation occurring slowly.

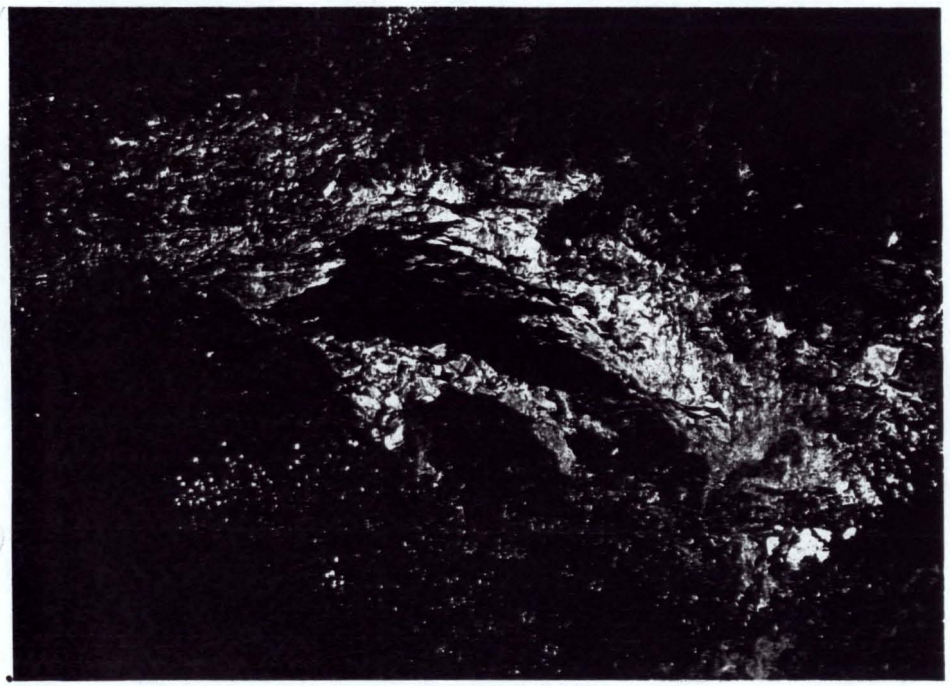
DESCRIPTION: Erosion cutting into radioactive waste along arroyo

URANIUM MINE INVENTORY INSPECTION

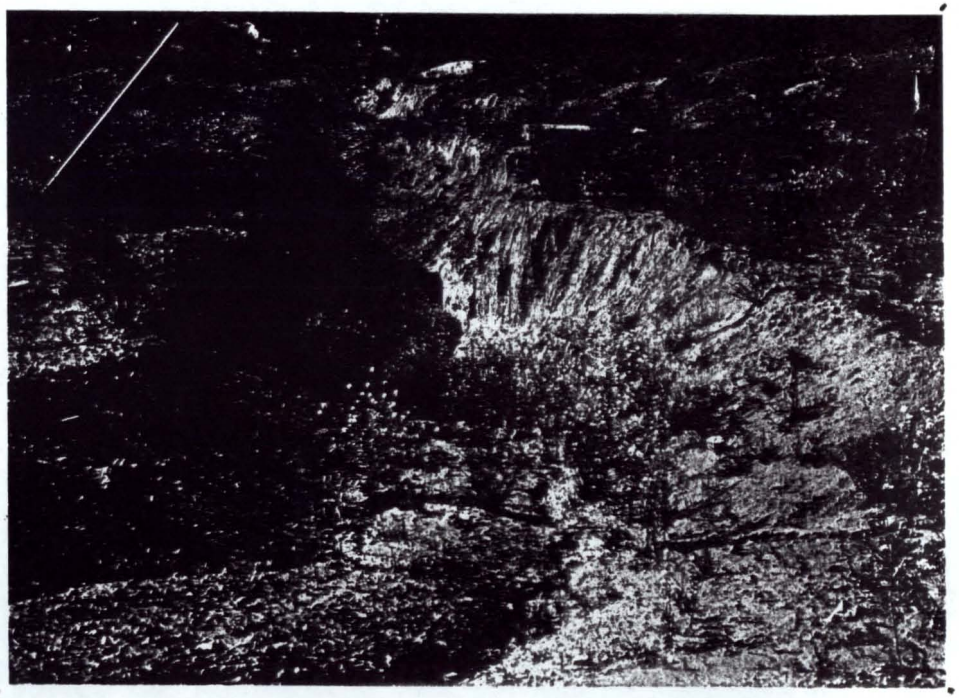
PHASE I

MINE NAME: Dog

DATE: 8/20/85 PHOTOGRAPHER F Schuster



DESCRIPTION: Incline shaft partially collapsed. Run off from slope above opening is being directed directly in the mine.



DESCRIPTION: Either collapse area is eroding or bulldozer cut was made along entrance to open or try to close it.

URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: Dog Mine

DATE: 8/20/85 PHOTOGRAPHER F Schuster

DESCRIPTION: View of waste pile on north side of mine area. Note pickup used for shale in left center of photo.

DESCRIPTION: Closer view of waste pile located directly above arroyo. Note drainage patterns.

URANIUM MINE INVENTORY INSPECTION

PHASE I

I. MINE NAME(S): Davenport incline (Mesa Top #7, Moe #2, Beacon Hill #23)

II. LOCATION: T. 13 N, R. 9 W, SEC. 20, NW¼NW¼SW¼, NMPM. COUNTY: McKinley

LONG. 35° 20' 28" N LAT. 107° 49' 73" W

MINING DIST.: Grants SUBDIST. Ambrosia Lake

USGS QUADRANGLE MAP: Dos Lomas (ATTACH COPY).

==========

III. PRODUCTION: YEAR(S): 1957-1968

TONS OF ORE: 7517 LBS U PRODUCED: 28,539 U_3O_8

ORE GRADE: .17%

COPRODUCED MINS/METALS:

QUANTITY PRODUCED:

==========

IV. OPERATORS:

==========

V. LAND STATUS: /X/ FEDERAL SURFACE /__/ PRIVATE SURFACE /__/ OTHER

/X/ FEDERAL MINERAL /__/ PRIVATE MINERAL /__/ OTHER

COMMENTS:

==========

VI. CLAIM INFORMATION: CLAIM COVERING MINE SITE?: /X/ YES /__/ NO

IF YES: SERIAL NUMBERS: 59003

DATE OF LOCATION: 3/14/76

HISTORY OF ASSESSMENT WORK: 1982 - May be declaired invalid.

3809 NOTICE FILED?: /__/ YES /X/ NO

MINING PLAN FILED?: /__/ YES /X/ NO - IF YES, PLAN NO.

PROPOSED WORK:

PATENT APPLIED FOR?: /__/ YES /X/ NO - STATUS:

==========

VII. ENVIRONMENTAL SITE CHARACTERISTICS:

1. VEGETATION(ON SITE): Natural revegetation of waste . Estimate 30-43% canopy cover of spoil piles.

2. VEGETATION(OFF SITE): Grassland with shrubs and P-J surrounding area.

3. TOPOGRAPHY: Mesa top flat land, generally sloping to north into valley floor.

4. ACRES DISTURBED 5-6 .

5. PALEO. SITE NEARBY: / / YES / / NO-

6. ARCH SITE NEARBY: / / YES / / NO-

7. IS SITE EASILY ACCESSABLE: / /YES /X/NO - EXPLAIN: Isolated area; not normally visited by public. Most access via private lands which are locked.

8. NEAREST: RESIDENCE 2 Mi. DIRT ROAD 1 Mi.
PAVED ROAD 3 Mi. POP. CENTER 15 Mi.

9. SIGNS OF GRAZING BY CATTLE OR WILDLIFE: /X/ YES / / NO

10. WILDLIFE OBSERVED: /X/ YES / / NO - SPECIFY: Rabbits and birds abundant in area. During visit, two owls flew out of mine entrance.

11. DISTANCE TO NEAREST DRAINAGE 300 Ft.; PONDS None Ft.
SIZE OF IMPOUNDMENT

12. EROSION OBSERVED: /X/ YES / / NO ; POTENTIAL CONTAMINATION PATHWAY: /X/ YES / / NO ; BEING USED: / / YES / / NO ; EVIDENCE OF SURFACE FLOW INTO MINE OPENINGS: /X/ YES / / NO Water off waste pile and sides being funneled into audit.

ADDITIONAL COMMENTS:

VIII. PHYSICAL SITE CHARACTERICS:

TYPE OF MINE: 470 ft.; 70% incline; Audit 650 ft. workings; mined by gophering.

OPENINGS PRESENT: /_/SHAFTS #_____ /X/AUDITS #_____ /_/VENT HOLES #_____
/_/DRILL HOLES #_____ SUBSIDENCE PRESENT /_/ YES /_/ NO

DEPTH OF SHAFTS_____Ft. DIMENSION__X__ AUDIT DIMENSIONS 15' X 6', __X__.

STEPS TAKEN TO RESTRICT ACCESS: None

CONDITION:

WASTE PILES: /X/ YES /_/ NO - TYPE OF MATERIAL: Shale mixed with SS.

OXIDATION OR SALTS OBSERVED: /X/ YES /_/ NO

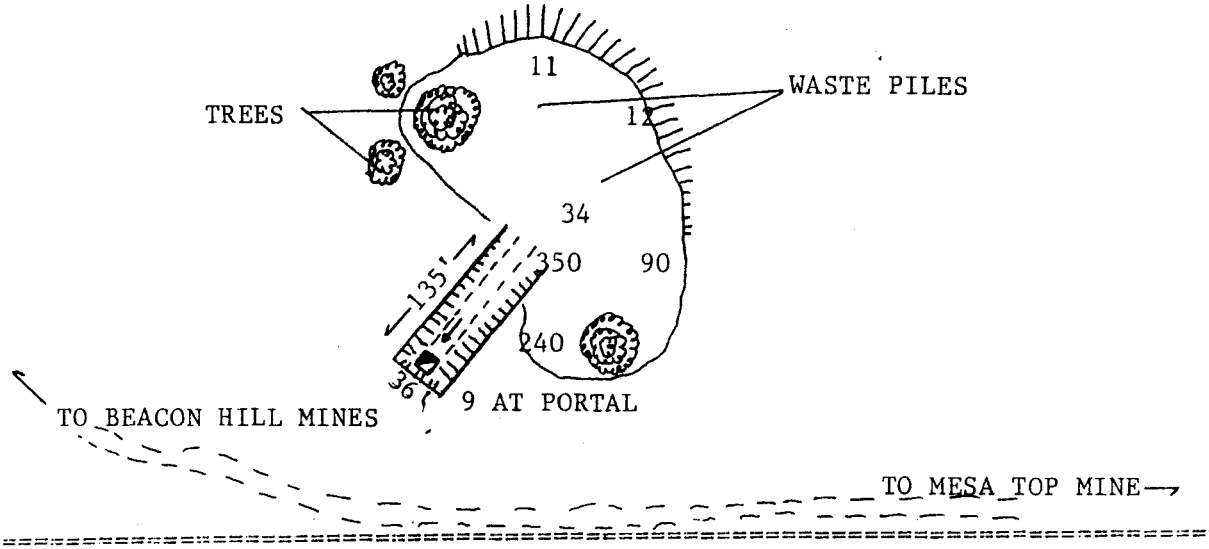
REVEGTATION: /X/ NATURAL /_/ VOLENTEER /_/ RECLAMATION PROGRAM

TRASH PRESENT ON SITE: /X/ YES /_/ NO Mostly wood berms.

ADDITIONAL COMMENTS: Audit completely open. Audit entrance 15' wide and 100-125' into formation.

IX. RADIATION READINGS: BACKGROUND RADIATION 11 μR/hr.

SKETCK OF MINE:



X. ADDITIONAL OBSERVATIONS: Roof rock massive SS. Unless roof rock very coherent, predict roof caving within several years. Subject ore was in shale formation. Shale is rapidly weathering to clay.

TIME:

PRE-INSPECTION _____ TRAVEL _____ INSPECTION 2

POST INSPECTION _____

INSPECTORS SIGNATURE

8/17/85
DATE OF INSPECTION

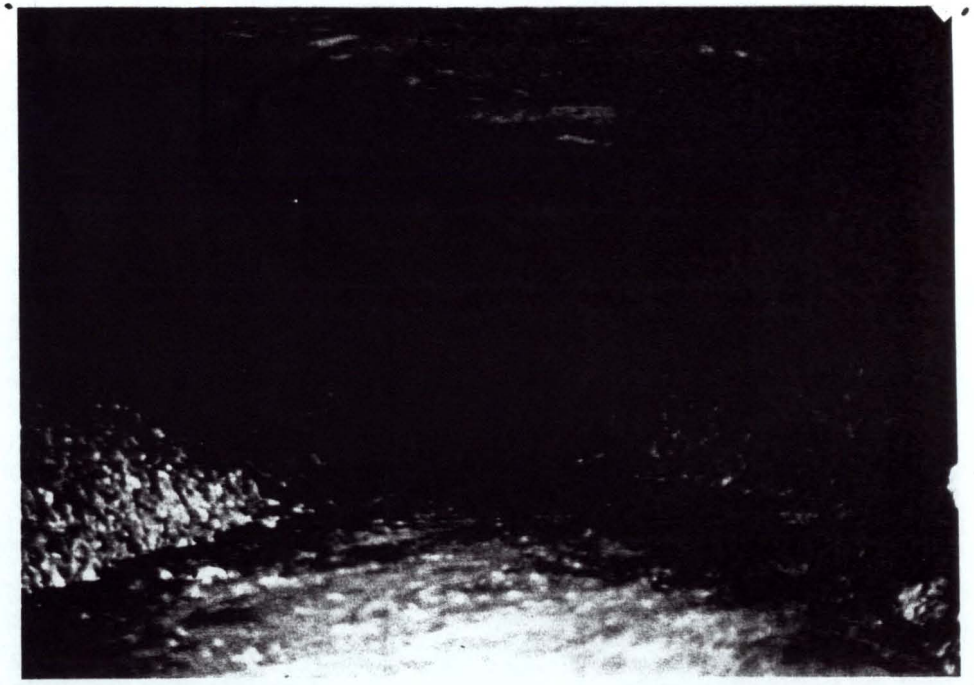
URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: DAVENPORT INCLINE

DATE: 8/17/85 PHOTOGRAPHER F. SCHUSTER

DESCRIPTION: View directly down incline. Note erosion on sides and revegetation of waste pile in foreground.



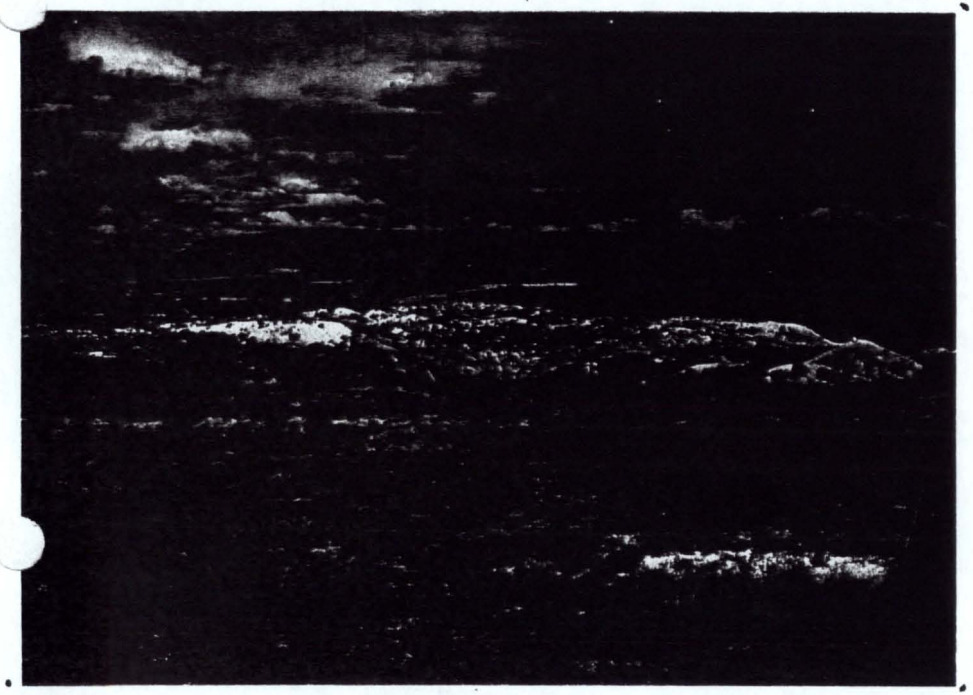
DESCRIPTION: Shot directly into adit opening showing back of mine. Approximately 60 feet.

URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: Davenport Incline

DATE: 8/17/85 PHOTOGRAPHER FSchuster



DESCRIPTION: General view of mine area showing extent of waste. Vehicle is a top of incline, facing north.

DESCRIPTION:

URANIUM MINE INVENTORY INSPECTION

PHASE I

I. MINE NAME(S): Flea Mine (Flea-Doris Extension)

II. LOCATION: T. 13 N, R. 9 W, SEC. 20, NE¼SE¼, NMPM. COUNTY: McKinley

LONG. 35° 20' 28" N LAT. 107° 48' 15" W

MINING DIST.: Grants SUBDIST. Ambrosia Lake

USGS QUADRANGLE MAP: Dos Lomas 7½' (ATTACH COPY).

==========

III. PRODUCTION: YEAR(S): Idle 1980 (Production included with Dog Mine)

TONS OF ORE: _____ LBS U PRODUCED: _____

ORE GRADE: _____

COPRODUCED MINS/METALS: _____

QUANTITY PRODUCED: _____

==========

IV. OPERATORS: _____

==========

V. LAND STATUS: /X/ FEDERAL SURFACE /__/ PRIVATE SURFACE /__/ OTHER _____

/X/ FEDERAL MINERAL /__/ PRIVATE MINERAL /__/ OTHER _____

COMMENTS: _____

==========

VI. CLAIM INFORMATION: CLAIM COVERING MINE SITE?: /X/ YES /__/ NO

IF YES: SERIAL NUMBERS: 43164

DATE OF LOCATION: 8/31/56

HISTORY OF ASSESSMENT WORK: Filed for 1985

3809 NOTICE FILED?: /__/ YES /X/ NO

MINING PLAN FILED?: /__/ YES /X/ NO - IF YES, PLAN NO. _____

PROPOSED WORK: _____

PATENT APPLIED FOR?: /__/ YES /X/ NO - STATUS: _____

==========

VII. ENVIRONMENTAL SITE CHARACTERISTICS:

1. VEGETATION(ON SITE): Area only sparsely revegetated with grasses and shrubs; estimate 0-20% canopy cover.

2. VEGETATION(OFF SITE): Pinon, Juniper stands - Grasslands with shrubs.

3. TOPOGRAPHY: Mine is in arroyo. Gentle slopes on both sides of mine.

4. ACRES DISTURBED 15-20.

5. PALEO. SITE NEARBY: / / YES / / NO-

6. ARCH SITE NEARBY: / / YES / / NO-

7. IS SITE EASILY ACCESSABLE: / /YES /X/NO - EXPLAIN: Access across private lands locked.

8. NEAREST: RESIDENCE .5 Mi. DIRT ROAD 3 Mi.
PAVED ROAD 4 Mi. POP. CENTER 15 Mi.

9. SIGNS OF GRAZING BY CATTLE OR WILDLIFE: /X/ YES / / NO

10. WILDLIFE OBSERVED: /X/ YES / / NO - SPECIFY: Birds, Rabbits abundant.

11. DISTANCE TO NEAREST DRAINAGE IN DRAINAGE Ft.; PONDS None Ft.
SIZE OF IMPOUNDMENT

12. EROSION OBSERVED: /X/ YES / / NO ; POTENTIAL CONTAMINATION PATHWAY: /X/ YES / / NO ; BEING USED: /X/ YES / / NO ; EVIDENCE OF SURFACE FLOW INTO MINE OPENINGS: /X/ YES / / NO

ADDITIONAL COMMENTS: Site has very bad erosion problem. Waste in arroyo undergoing heavy erosion.

VIII. PHYSICAL SITE CHARACTERICS:

TYPE OF MINE: 900 ft. deline

OPENINGS PRESENT: / /SHAFTS #____ /X/AUDITS # 2 / /VENT HOLES #____
/ /DRILL HOLES #____ SUBSIDENCE PRESENT / / YES / / NO

DEPTH OF SHAFTS____Ft. DIMENSION__X__ AUDIT DIMENSIONS__X__,__X__.

STEPS TAKEN TO RESTRICT ACCESS: East Audit closed by chain link fencing and boards.
West Audit completely open (12 x 8).

CONDITION: Fencing intact; boards rotten.

WASTE PILES: /X/ YES / / NO - TYPE OF MATERIAL: Weathering SS and Shales.
Spoil spread over entire area.

OXIDATION OR SALTS OBSERVED: /X/ YES / / NO

REVEGTATION: /X/ NATURAL / / VOLENTEER / / RECLAMATION PROGRAM

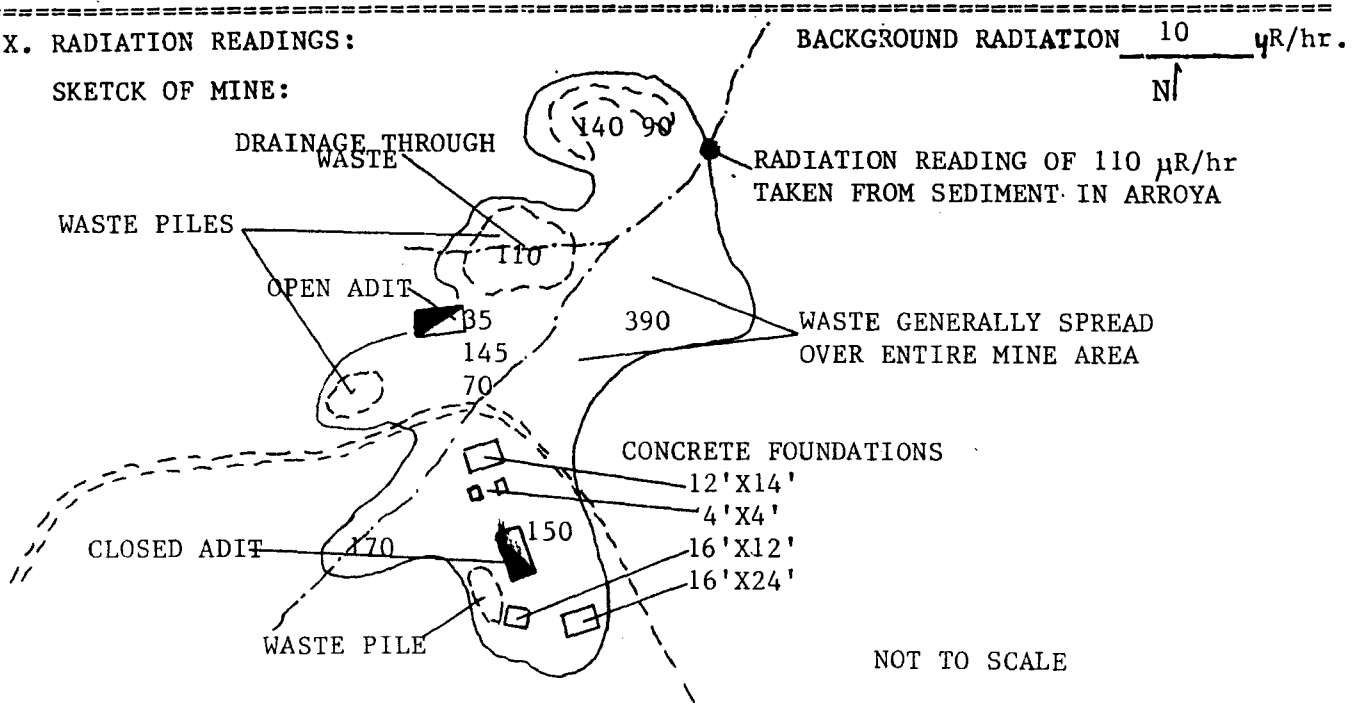
TRASH PRESENT ON SITE: /X/ YES / / NO Mining debris plentiful.

ADDITIONAL COMMENTS: Suspect each portal is of different mine.

IX. RADIATION READINGS:

BACKGROUND RADIATION 10 μR/hr.

SKETCK OF MINE:



X. ADDITIONAL OBSERVATIONS: ORE rock found in arroyo which gave readings of 400-500 μR/hr. Large volumes of sediment washing from mine site. Waste dumped in arroyo upstream from mine openings.

TIME:

PRE-INSPECTION _____ TRAVEL _____ INSPECTION _____

POST INSPECTION _____

INSPECTORS SIGNATURE

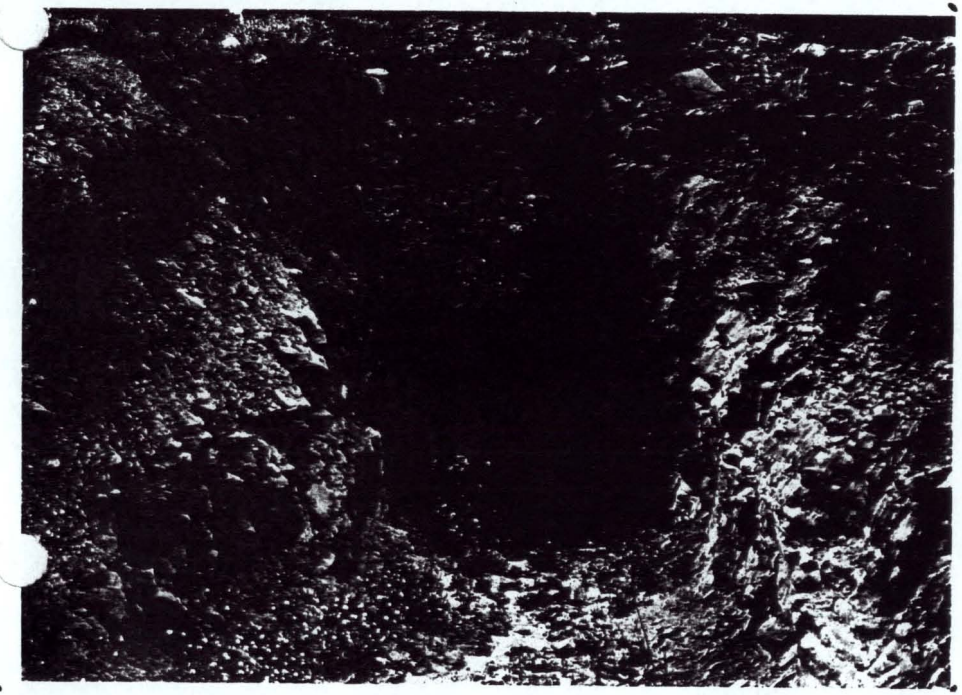
DATE OF INSPECTION

URANIUM MINE INVENTORY INSPECTION

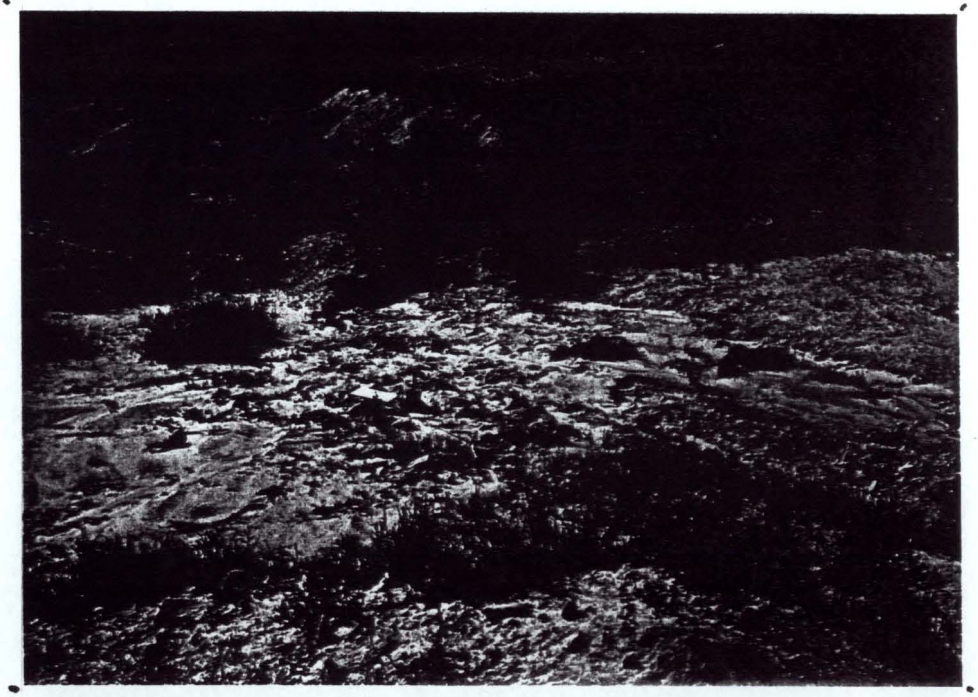
PHASE I

MINE NAME: Flea

DATE: 8/17/85 PHOTOGRAPHER F Schuster



DESCRIPTION: Open portal approximately 8-9 feet high by 8 feet wide, chain link fencing keeping portal from caving. Second portal close by boards and not shown.



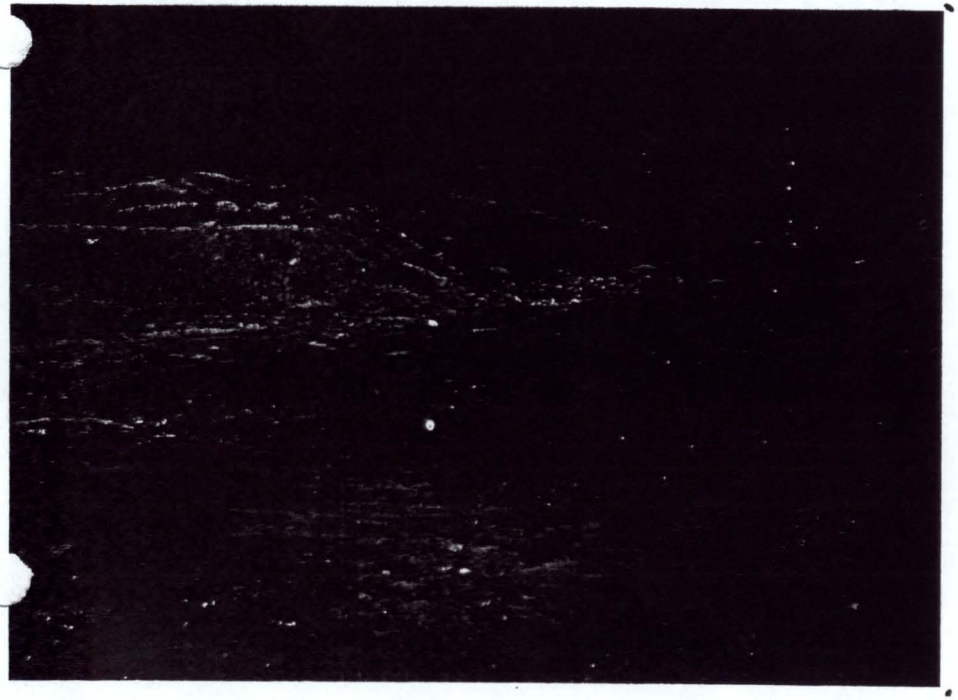
DESCRIPTION: Wash area through waste pile. Heavy erosion of rock and clay into main drainage. Samples of rock in washing area gave readings as high as 800 mr/hr.

URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: Flea

DATE: 8/17/85 PHOTOGRAPHER F Schuster



DESCRIPTION: Waste piles adjacent to and washing into drainage, Note lack of vegetation. Facing generally north.

DESCRIPTION:

URANIUM MINE INVENTORY INSPECTION

PHASE I

I. MINE NAME(S): Beacon Hill (Section 18), Gossett

II. LOCATION: T. 13 N, R. 9 W, SEC. 18, SE¼SE¼, NMPM. COUNTY: McKinley

LONG. 35° 21' 00" N LAT. 107° 49' 30" W

MINING DIST.: Grants SUBDIST. Ambrosia Lake

USGS QUADRANGLE MAP: Dos Lomas (ATTACH COPY).

==========

III. PRODUCTION: YEAR(S): 1956-1963; 1966-1967

TONS OF ORE: 39,354 LBS U PRODUCED: 166,065 U_3O_8

ORE GRADE: .21%

COPRODUCED MINS/METALS: V_2O_5

QUANTITY PRODUCED: 22,671

==========

IV. OPERATORS: 1956-Holly Mining Co.; 1957-Lee Exp. Co.; 1958-1959-E.P. Moe, 1960-1961-KSN Co. Inc.; 1962-1963 & 1966-1967-Farris Mines.

==========

V. LAND STATUS: /X/ FEDERAL SURFACE /__/ PRIVATE SURFACE /__/ OTHER

/X/ FEDERAL MINERAL /__/ PRIVATE MINERAL /__/ OTHER

COMMENTS:

==========

VI. CLAIM INFORMATION: CLAIM COVERING MINE SITE?: /X/ YES /__/ NO

IF YES: SERIAL NUMBERS: 58980

DATE OF LOCATION: 3/14/1976 Becon Hill Amended 1

HISTORY OF ASSESSMENT WORK: Chain of assessment work broken. Old claims lost and refiled as amendments to claims. Current assessment work filed July 1984.

3809 NOTICE FILED?: /__/ YES /X/ NO

MINING PLAN FILED?: /__/ YES /X/ NO - IF YES, PLAN NO.

PROPOSED WORK:

PATENT APPLIED FOR?: /__/ YES /X/ NO - STATUS:

==========

VII. ENVIRONMENTAL SITE CHARACTERISTICS:

1. VEGETATION(ON SITE): Soil areas encroached by grasses and shrubs. Spoil piles mostly barren. Estimate 50-60% canopy cover on soils.

2. VEGETATION(OFF SITE): Surrounded by Juniper trees.

3. TOPOGRAPHY: Rolling hills, generally sloping to the NNW into valley.

4. ACRES DISTURBED 10-15.

5. PALEO. SITE NEARBY: / / YES / / NO-

6. ARCH SITE NEARBY: / / YES / / NO-

7. IS SITE EASILY ACCESSABLE: / /YES /X/NO - EXPLAIN: Section surrounded by private land; most roads locked.

8. NEAREST: RESIDENCE Mi. DIRT ROAD 1.5 Mi.
PAVED ROAD 2 Mi. POP. CENTER Mi.

9. SIGNS OF GRAZING BY CATTLE OR WILDLIFE: /X/ YES / / NO

10. WILDLIFE OBSERVED: /X/ YES / / NO - SPECIFY: Abundance of birds & rabbits.

11. DISTANCE TO NEAREST DRAINAGE 1,000 Ft.; PONDS Ft.
SIZE OF IMPOUNDMENT

12. EROSION OBSERVED: /X/ YES / / NO ; POTENTIAL CONTAMINATION PATHWAY:
/X/ YES / / NO ; BEING USED: /X/ YES / / NO ; EVIDENCE OF SURFACE FLOW INTO MINE OPENINGS: /X/ YES / / NO Minor.

ADDITIONAL COMMENTS:

VIII. PHYSICAL SITE CHARACTERICS:

TYPE OF MINE: Incline.

OPENINGS PRESENT: /X/ SHAFTS # 5 /X/ AUDITS # 1 / / VENT HOLES # ____
/X/ DRILL HOLES # Many SUBSIDENCE PRESENT / / YES / / NO

DEPTH OF SHAFTS 550 Ft. DIMENSION ___ X ___ AUDIT DIMENSIONS ___ X ___ , ___ X ___ .
70° decline/incline

STEPS TAKEN TO RESTRICT ACCESS: Incline - None. Entrance collapsed. All 5 shafts have steel plates bolted and welded over top. All shafts enclosed by chain link fence.

CONDITION: All plates intact. Several fences intact. Two fences down.

WASTE PILES: /X/ YES / / NO - TYPE OF MATERIAL: Sandstone weathering to sand.

OXIDATION OR SALTS OBSERVED: /X/ YES / / NO

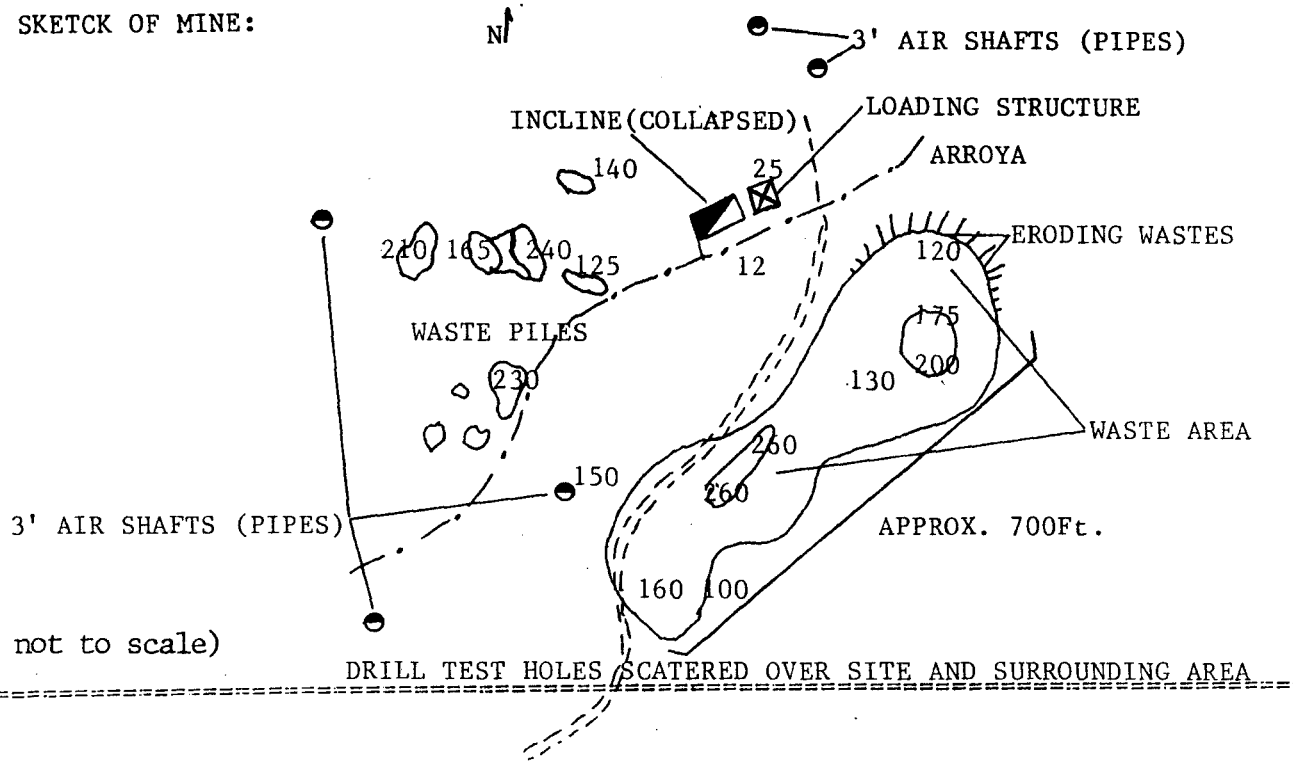
REVEGTATION: /X/ NATURAL / / VOLENTEER / / RECLAMATION PROGRAM

TRASH PRESENT ON SITE: /X/ YES / / NO Mining debris spread over site area.

ADDITIONAL COMMENTS: Five (5) air/escape shafts located around slope entrance: two to NE; two to SW, and one to NW.

IX. RADIATION READINGS: BACKGROUND RADIATION 10 MR/hr.

SKETCK OF MINE:



(Map not to scale)

X. ADDITIONAL OBSERVATIONS: Waste being heavily eroded into arroyo and off site.

TIME:

PRE-INSPECTION _____ TRAVEL _____ INSPECTION _____

POST INSPECTION _____

_____ _____

INSPECTORS SIGNATURE DATE OF INSPECTION

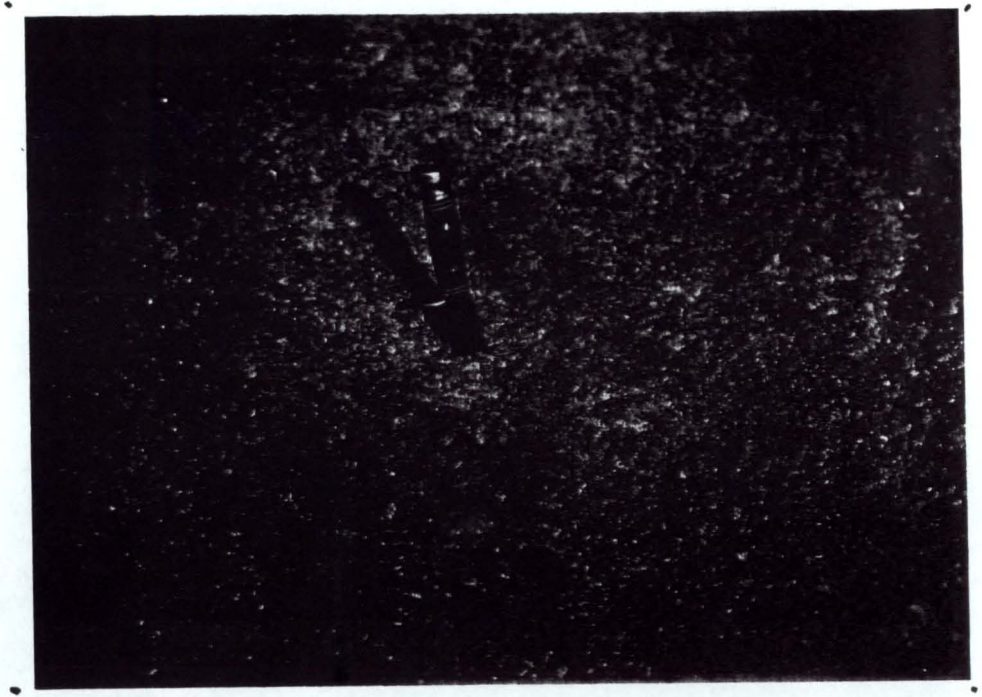
URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: Beacon Hill-Gossett

DATE: 8/21/85 PHOTOGRAPHER F Schuster

DESCRIPTION: General view showing waste piles and remaining structures. Revegetation fair to good. Facing north.



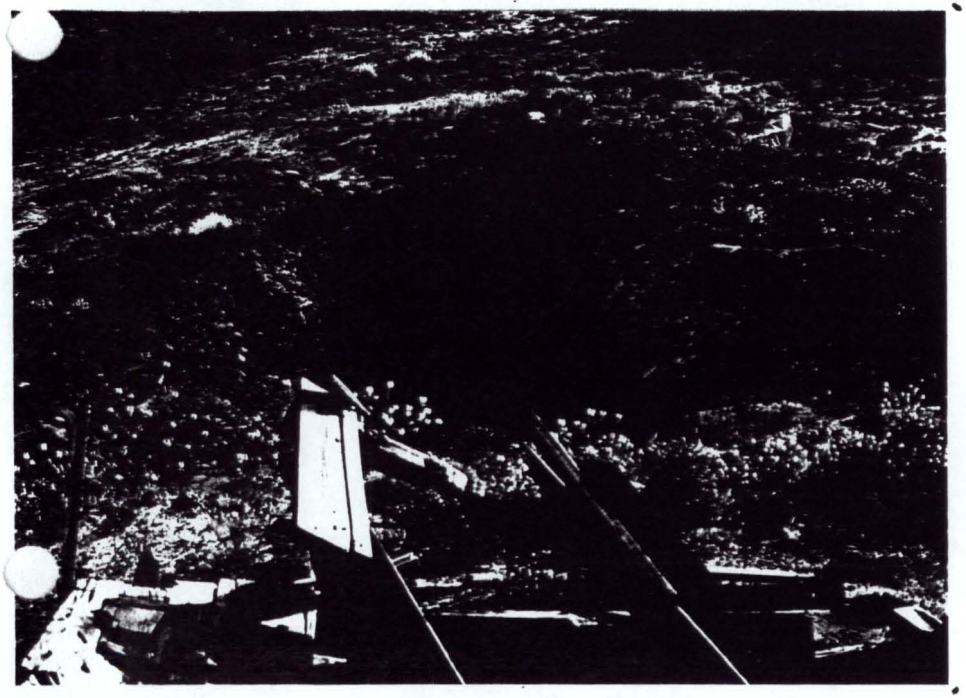
DESCRIPTION: View of salts (?)or oxides leaching from side of waste pile. Pile is S.S. rapidly weathering to sand.

URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: Beacon Hill-Gossett

DATE: 8/21/85 PHOTOGRAPHER F Schuster



DESCRIPTION: View if partially collapsed adit. Adit is still open but appears inaccessible due to collapsed timbers.

DESCRIPTION:

URANIUM MINE INVENTORY INSPECTION

PHASE I

I. MINE NAME(S): Blue Peak

II. LOCATION: T. 13N., R. 10W., SEC. 24, SE¼NE¼, NMPM. COUNTY: McKinley

LONG. 35°20'30"N LAT. 107°51'10"W

MINING DIST.: Grants SUBDIST. Ambrosia Lake

USGS QUADRANGLE MAP: Dos Lomas 7½" (ATTACH COPY).

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III. PRODUCTION: YEAR(S): 1951-1961, 1964

TONS OF ORE: 12,051 LBS U PRODUCED: 44,020 U_3O_8

ORE GRADE: .19%

COPRODUCED MINS/METALS: V_2O_5

QUANTITY PRODUCED: 18,707 LB

==========

IV. OPERATORS: Numerous

==========

V. LAND STATUS: [X] FEDERAL SURFACE [ ] PRIVATE SURFACE [ ] OTHER

[X] FEDERAL MINERAL [ ] PRIVATE MINERAL [ ] OTHER

COMMENTS:

==========

VI. CLAIM INFORMATION: CLAIM COVERING MINE SITE?: [ ] YES [X] NO

IF YES: SERIAL NUMBERS:

DATE OF LOCATION:

HISTORY OF ASSESSMENT WORK:

3809 NOTICE FILED?: [ ] YES [ ] NO

MINING PLAN FILED?: [ ] YES [ ] NO - IF YES, PLAN NO.

PROPOSED WORK:

PATENT APPLIED FOR?: [ ] YES [ ] NO - STATUS:

==========

VII. ENVIRONMENTAL SITE CHARACTERISTICS:

1. VEGETATION(ON SITE): Small amount of grass on site; 10% canopy cover. Mostly barren.

2. VEGETATION(OFF SITE): Mesa slopes with little grass or shrubs.

3. TOPOGRAPHY: Steep-sloped Mesa side.

4. ACRES DISTURBED 4-5.

5. PALEO. SITE NEARBY: / / YES / / NO-

6. ARCH SITE NEARBY: / / YES / / NO-

7. IS SITE EASILY ACCESSABLE: / /YES /X/NO - EXPLAIN: Road almost impossible to access; another 1-2 years, and site will be inaccessible.

8. NEAREST: RESIDENCE 2 Mi. DIRT ROAD 1 Mi.
PAVED ROAD 2 Mi. POP. CENTER Mi.

9. SIGNS OF GRAZING BY CATTLE OR WILDLIFE: /X/ YES / / NO

10. WILDLIFE OBSERVED: /X/ YES / / NO - SPECIFY: Numerous deer or goat tracks seen on road.

11. DISTANCE TO NEAREST DRAINAGE 300 Ft.; PONDS Ft.
SIZE OF IMPOUNDMENT

12. EROSION OBSERVED: /X/ YES / / NO ; POTENTIAL CONTAMINATION PATHWAY: /X/ YES / / NO ; BEING USED: /X/ YES / / NO ; EVIDENCE OF SURFACE FLOW INTO MINE OPENINGS: / / YES /X/ NO

ADDITIONAL COMMENTS:

VIII. PHYSICAL SITE CHARACTERICS:

TYPE OF MINE: Drift into Mesa side--Horizontal.

OPENINGS PRESENT: [ ] SHAFTS # ____ [X] AUDITS # 5 [ ] VENT HOLES # ____
[ ] DRILL HOLES # ____ SUBSIDENCE PRESENT [ ] YES [ ] NO

DEPTH OF SHAFTS N/A Ft. DIMENSION ___ X ___ AUDIT DIMENSIONS 10 X 8 , 6 X 6 .

STEPS TAKEN TO RESTRICT ACCESS: None.

CONDITION: N/A

WASTE PILES: [ ] YES [X] NO - TYPE OF MATERIAL: ____

OXIDATION OR SALTS OBSERVED: [X] YES [ ] NO

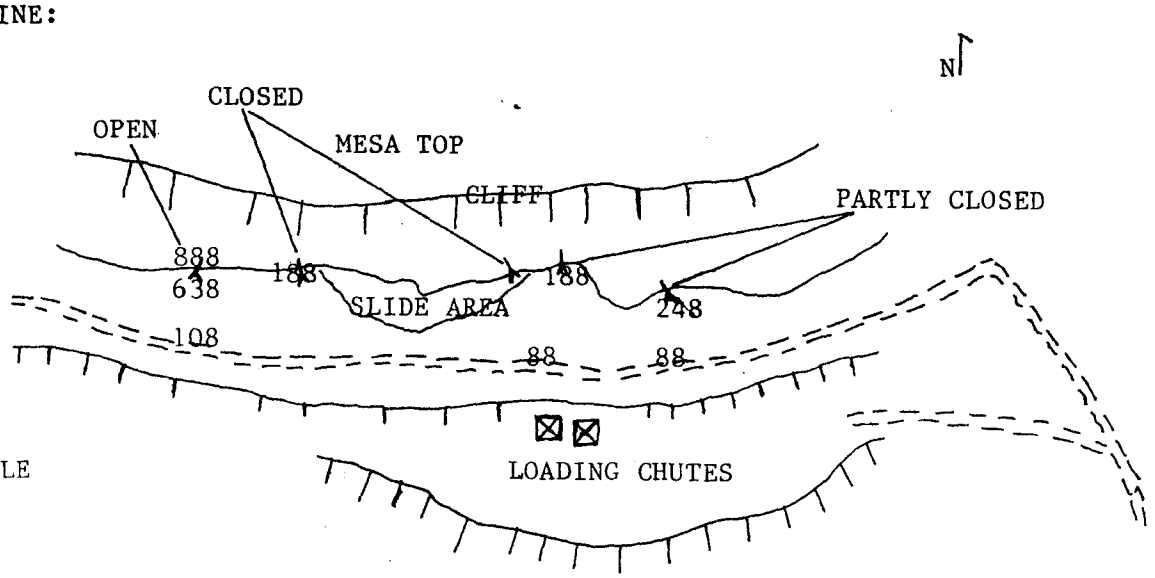
REVEGTATION: [X] NATURAL [ ] VOLENTEER [ ] RECLAMATION PROGRAM

TRASH PRESENT ON SITE: [X] YES [ ] NO Some old mining structures--collapsed.

ADDITIONAL COMMENTS: ____

IX. RADIATION READINGS: BACKGROUND RADIATION 12 μR/hr.

SKETCK OF MINE:



NOT TO SCALE

X. ADDITIONAL OBSERVATIONS: _____

_____

_____

_____

_____

_____

TIME:

PRE-INSPECTION _____ TRAVEL _____ INSPECTION _____

POST INSPECTION _____

_____ _____

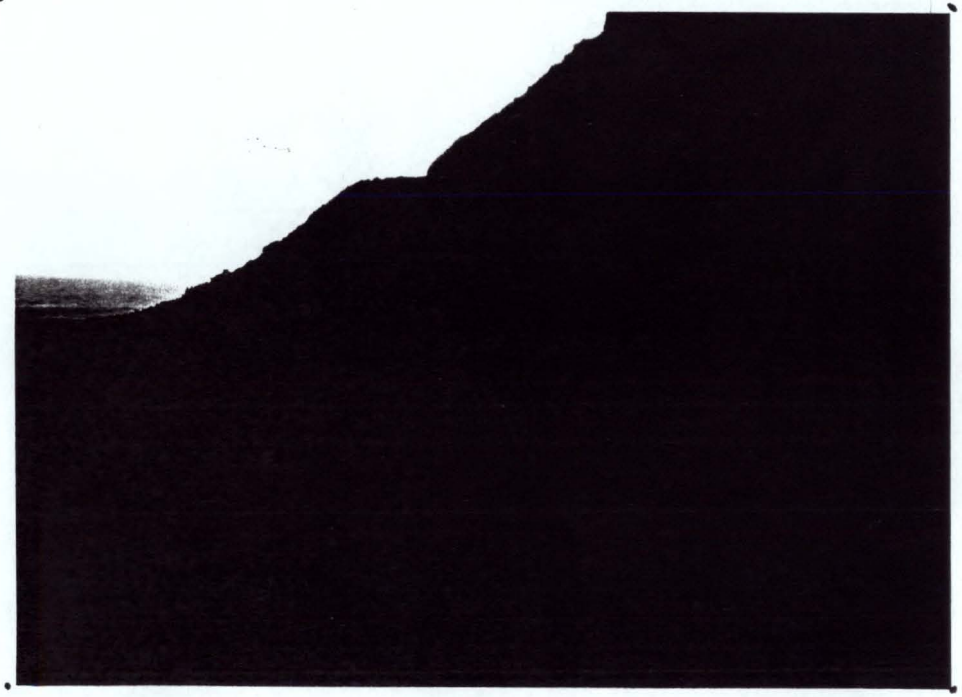
INSPECTORS SIGNATURE DATE OF INSPECTION

URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: Blue Peak

DATE: 8/22/85 PHOTOGRAPHER F Schuster



DESCRIPTION: Loading area directly below bench with portals. Taken from access road leading to portals. Work area at top of loading slide. Facing west.

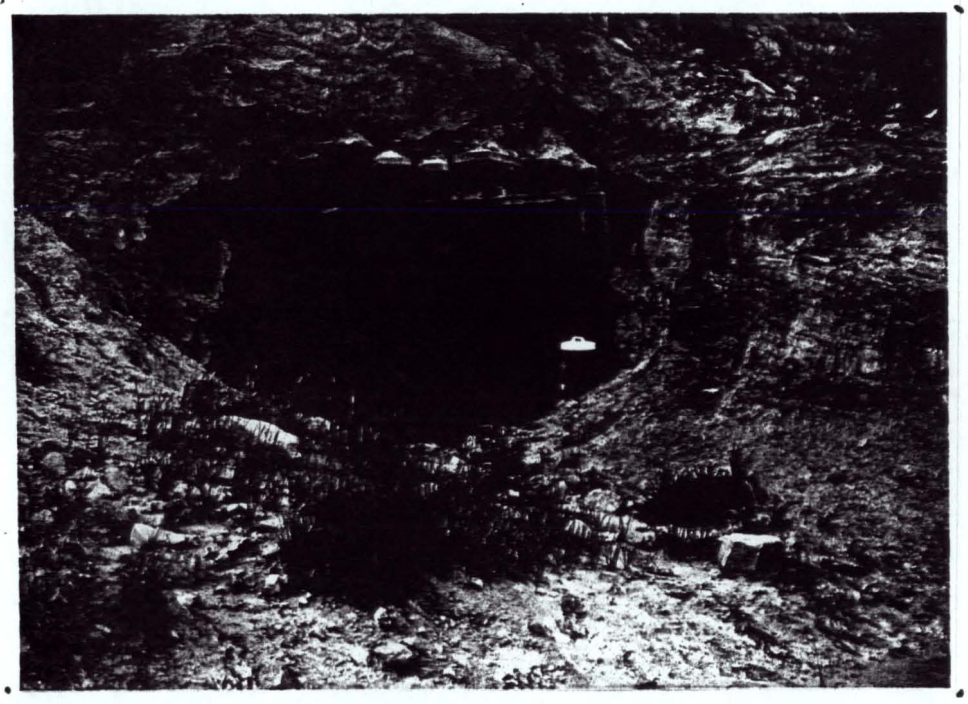
DESCRIPTION: General work area with portals to the left. Note top of loading structure at right central portion of photo. Facing east.

URANIUM MINE INVENTORY INSPECTION

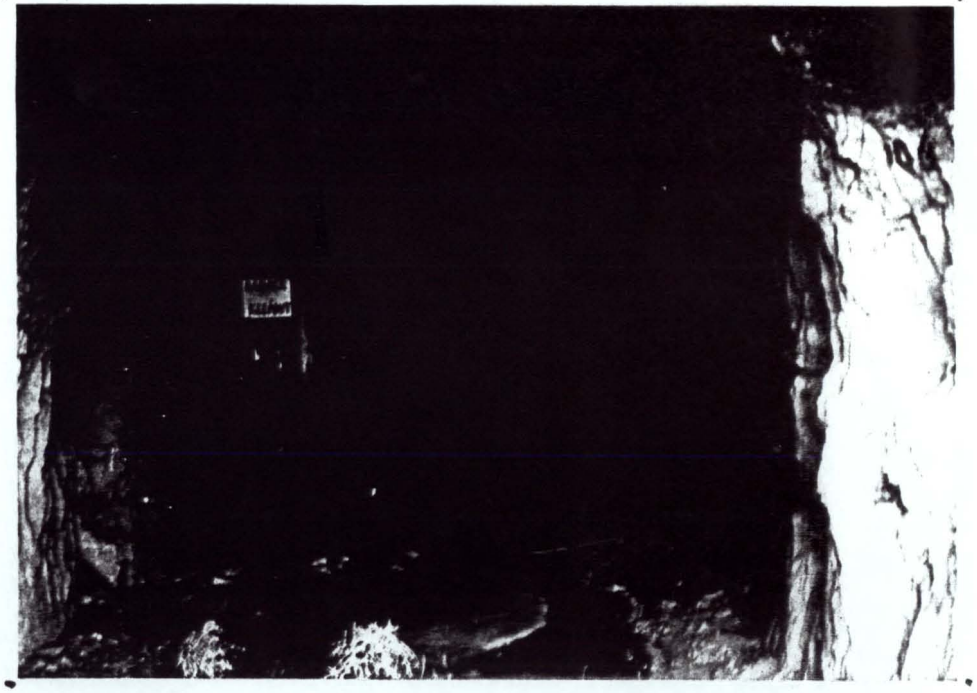
PHASE I

MINE NAME: Blue Peak

DATE: 8/22/85 PHOTOGRAPHER F Schuster



DESCRIPTION: Western most portal opening, higher radiation readings were found at each entrance that was open. Possibly gas coming from mine is radioactive.



DESCRIPTION: Inside of portal at left. Timbers did not appear to be very old. Wood appeared very light brown in Colorado no potting of timbers was apparent. Not much caving was noticable from entrance.

URANIUM MINE INVENTORY INSPECTION

PHASE I

MINE NAME: Blue Peak

DATE: 8/22/85 PHOTOGRAPHER F Schuster

DESCRIPTION: Next portal to east. Portal closed or did not originally extend far into slope. Access limited.

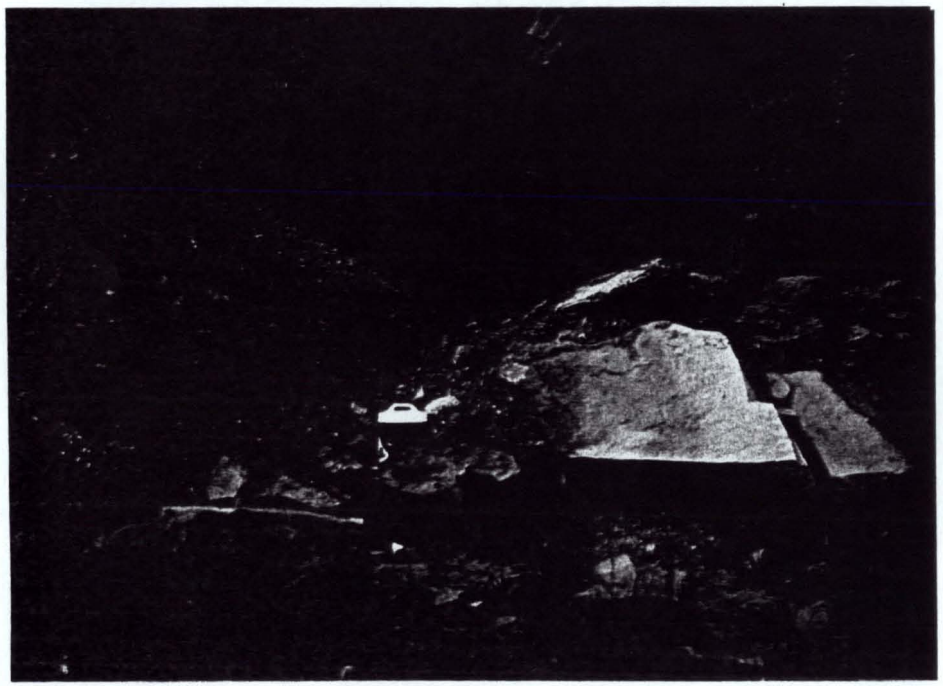
DESCRIPTION: Center portal completely closed by clay (Shale) washing from above slopes. Approximately one year before this study this site was visited by the investigator during other field work. This portal was completely open.

URANIUM MINE INVENTORY INSPECTION

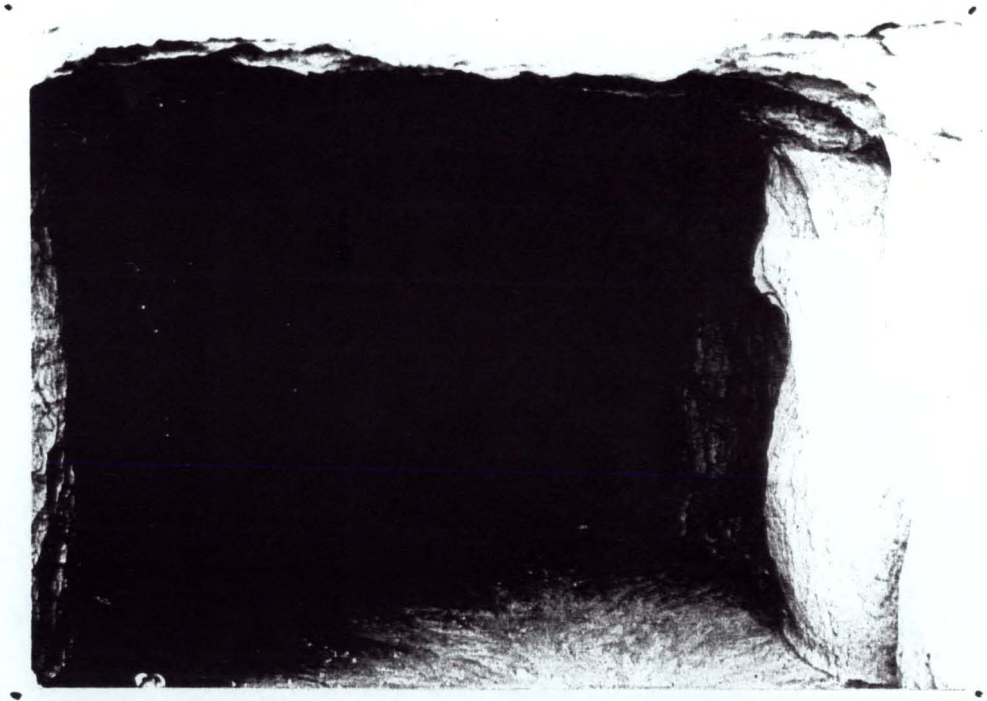
PHASE I

MINE NAME: Blue Peak

DATE: 8/22/85 PHOTOGRAPHER F Schuster



DESCRIPTION: Portal second from the east on mine sketch. Portal partially closed by washing clay from above slope. Probable complete closure in 1 to 2 years.



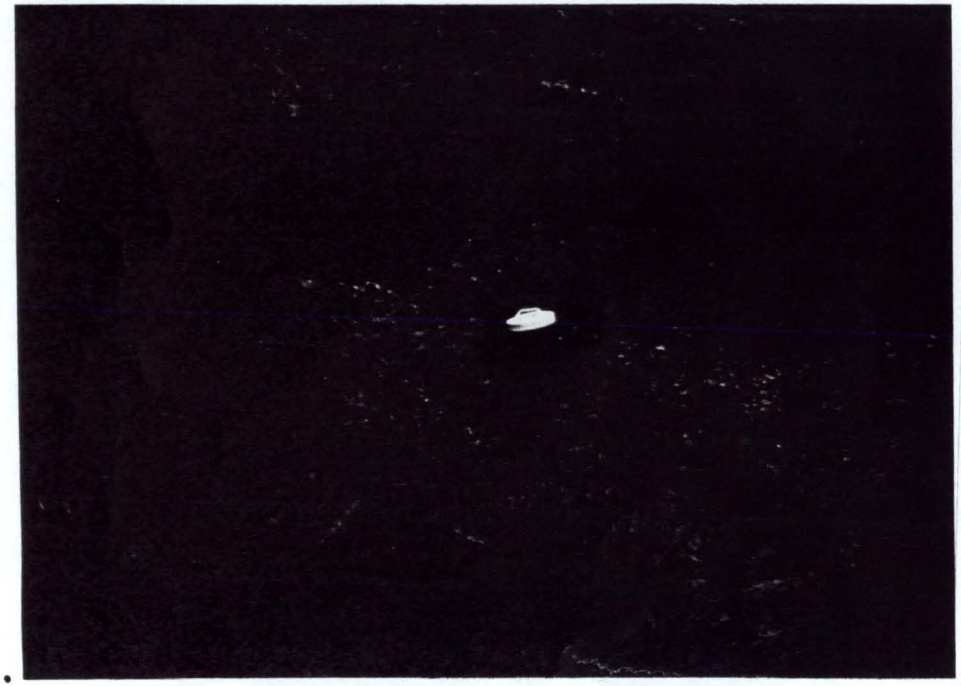
DESCRIPTION: Just inside portal pictured at left. Note washing clay in floor of tunnel. Surface run off is being directed into this portal.

URANIUM MINE INVENTORY INSPECTION

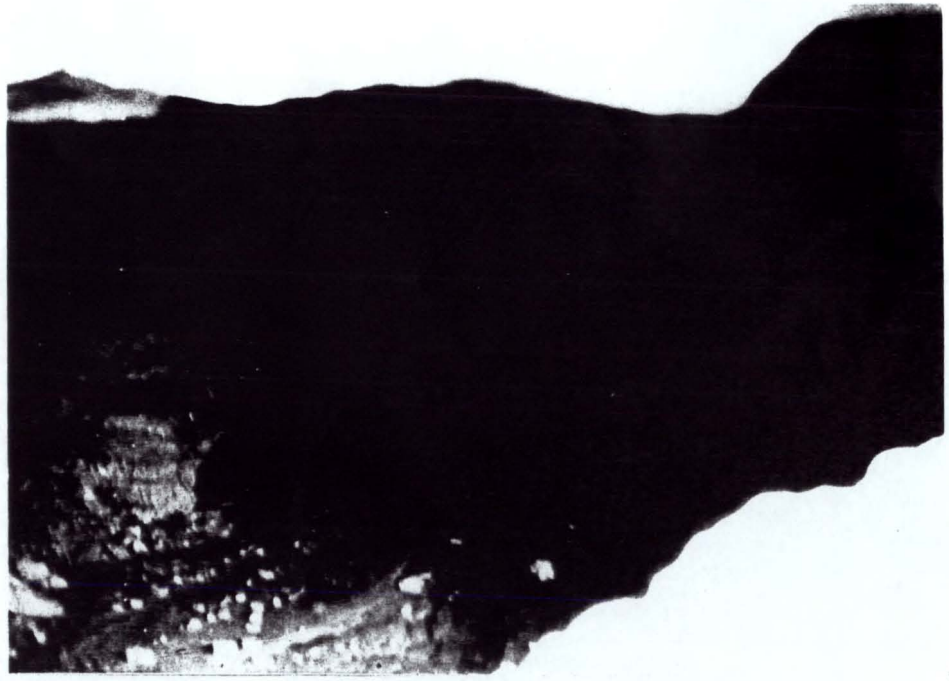
PHASE I

MINE NAME: Blue Peak

DATE: 8/22/85 PHOTOGRAPHER F. Schuster



DESCRIPTION: Eastern most portal. Partially blocked by washing clay.



DESCRIPTION: Inside of portal pictured at left Note erosion pattern in floor of tunnel.